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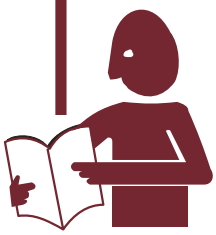
SUPPLEMENTAL SERVICE INSTRUCTIONS

ELECTRIC GRIDDLES

COUNTERTOP MODELS
G-13, G-19
G-23, G-24
G-60

BUILT-IN MODELS
G-136, G-196
G-236, G-246
G-606

BUILT-IN TEPPAN
MODEL JG-246UL



IMPORTANT: WELLS BLOOMFIELD, LLC PROPRIETARY INFORMATION.
DISSEMINATION OF THIS INFORMATION TO ANYONE OTHER THAN
WELLS AUTHORIZED SERVICE AGENTS IS STRICTLY PROHIBITED.
TECHNICAL CONTENT OF THIS MANUAL IS DESIGNED FOR
USE BY QUALIFIED PROFESSIONAL TECHNICIANS ONLY.

PRINTED IN UNITED STATES OF AMERICA

WARNING: RISK OF INJURY

Installation procedures must be performed by a qualified technician with full knowledge of all applicable electrical and plumbing codes. Failure can result in personal injury and property damage.

WARNING: ELECTRIC SHOCK HAZARD

All servicing requiring access to non-insulated electrical components must be performed by a qualified technician.
Some procedures involve exposed live circuits. Use all due caution to avoid contact with live electric circuits. Failure to follow this warning can result in severe electrical shock.

CAUTION: RISK OF DAMAGE

DO NOT connect or energize this appliance until all installation instructions are read and followed. Damage to the appliance will result if these instructions are not followed.

This appliance is intended for use in commercial establishments only.

This appliance is intended to prepare food for human consumption. No other use is recommended or authorized by the manufacturer or its agents.

Operators of this appliance must be familiar with the appliance use, limitations and associated restrictions. Operating instructions must be read and understood by all persons using or installing this appliance.

Cleanliness of this appliance is essential to good sanitation. Read and follow all included cleaning instructions and schedules to ensure the safety of the food product.

Disconnect this appliance from electrical power before performing any maintenance or servicing.

DO NOT splash or pour water on, in or over any controls, control panel or wiring.

Do not use water spray or steam jet to clean this appliance. This appliance is not jet stream approved.

The technical content of this manual, including any wiring diagrams, schematics, parts breakdown illustrations and/or adjustment procedures, is intended for use by qualified technical personnel.

Any procedure which requires the use of tools must be performed by a qualified technician.

This appliance is made in the USA. Unless otherwise noted, this appliance has American sizes on all hardware.

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INTRODUCTION

This manual contains information needed to properly service and repair Wells Bloomfield electric griddles. This manual applies to the following Wells models:

G-13(6), G-19(6), G-23(6), G-24(6), G-60(6), JG-246UL

For installation, operation and maintenance instructions, refer to Operation Manual p/n 303339 (countertop models), or Operation Manual p/n 303340 (built-in models).

SPECIFICATIONS

MODEL	VOLTS	WATTS	AMPS 3ø			AMPS 1ø
			L1	L2	L3	
G-13 G-136	208V	6,750 / 9,000	14.0	28.1	14.0	32.5
	240V	9,000	18.7	32.5	18.7	37.5
	480	9,000	9.4	16.2	9.4	18.7
G-19 G-196	208V	12,000	28.8	49.9	28.8	57.6
	240V	12,000	25.0	43.3	25.0	50.0
	480V	12,000	12.5	21.7	12.5	25.0
G-23 G-236	208V	16,000	48.3	51.3	35.0	76.9
	240V	16,000	41.7	44.4	30.4	66.6
	480V	16,000	20.9	22.2	15.5	33.3
G-24 G246	208V	21,500	63.4	67.1	45.8	103.3
	240V	21,500	55.0	58.3	39.6	89.5
	480V	21,500	27.1	28.9	19.9	43.8
G-60 G-606	208V	32,000	48.3	51.3	35.0	76.9 x 2
	240V	32,000	41.7	44.4	30.4	66.6 x 2
	480V	32,000	20.9	22.0	15.1	33.3 x 2
JG-24UL	208V	6,000	14.4	14.4	25.0	28.9
	240V	8,000	16.7	16.7	28.9	33.3

FEATURES & OPERATING CONTROLS

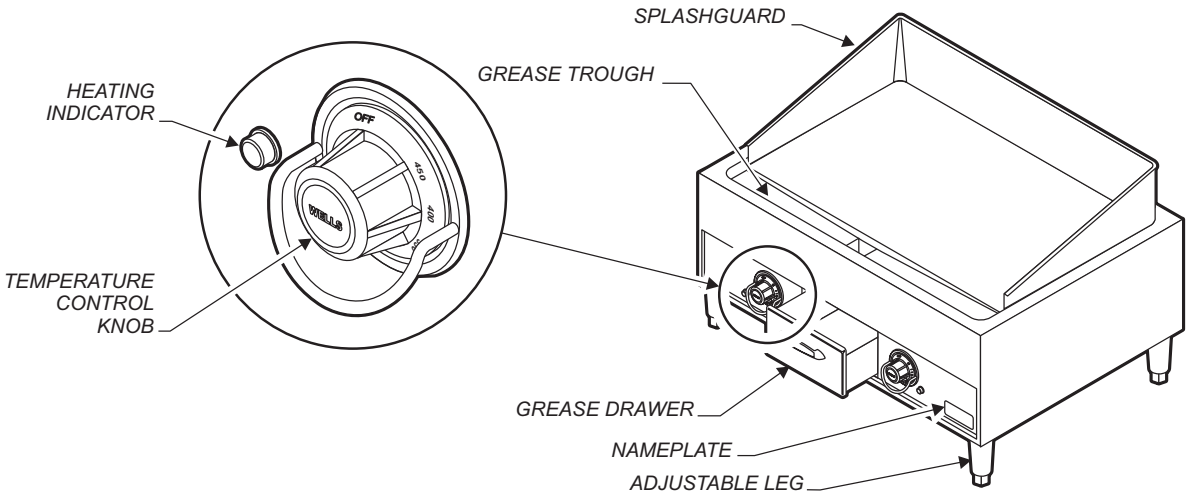


Fig. 1 Countertop Griddle Features & Operating Controls
G-19 Shown - G-13, G-23, G-24 and G-60 are Similar

TEMPERATURE CONTROL	Power is applied to the heating elements according to the control knob position and the actual temperature sensed at the thermobulb. When the element is energized the heating indicator will glow. Each section of the griddle is individually controllable. Dial position is an indication of the temperature setting. The actual temperature at the griddle surface will vary, depending upon the initial type and temperature of the product, and other variables.
GREASE TROUGH	Extra-wide trough with radiused corners for easier cleaning. Trough slopes toward a large waste hole that empties into the removable grease drawer.
GREASE DRAWER	Large-capacity drawer is removable through the front for easy cleaning.
REMOVABLE SPLASH GUARD	Stainless steel splash guard simplifies griddle maintenance and helps to keep grease from splattering onto adjacent walls and equipment.
ADJUSTABLE LEGS	Adjustable for use in leveling the griddle. Allow for ventilation and cleaning underneath.
NAMEPLATE	Lists manufacturer's information, model and serial number. Also lists electrical specifications.

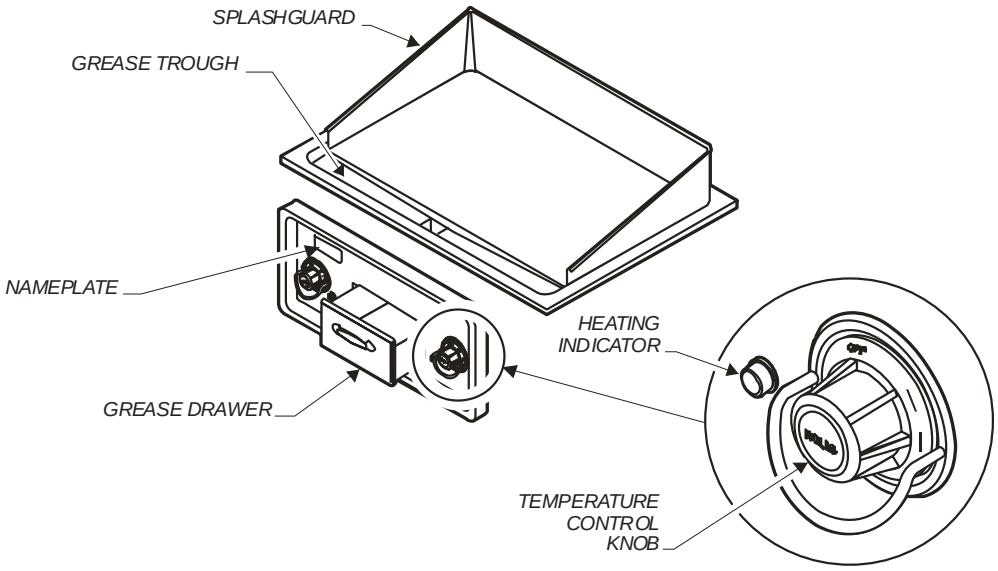


Fig. 2 Built-In Griddle Features & Operating Controls
G-136 Shown - G-196, G-236, G-246 and G-606 are Similar

TEMPERATURE CONTROL	Power is applied to the heating elements according to the control knob position and the actual temperature sensed at the thermobulb. When the element is energized the heating indicator will glow. Each section of the griddle is individually controllable. Dial position is an indication of the temperature setting. The actual temperature at the griddle surface will vary, depending upon the initial type and temperature of the product, and other variables.
GREASE TROUGH	Extra-wide trough with radiused corners for easier cleaning. Trough slopes toward a large waste hole that empties into the removable grease drawer.
GREASE DRAWER	Large-capacity drawer is removable through the front for easy cleaning.
REMOVABLE SPLASH GUARD	Stainless steel splash guard simplifies griddle maintenance and helps to keep grease from splattering onto adjacent walls and equipment.
NAMEPLATE	Lists manufacturer's information, model and serial number. Also lists electrical specifications.

SERVICING INSTRUCTIONS

TROUBLESHOOTING SUGGESTIONS

DESCRIPTION	POSSIBLE PROBLEM	SUGGESTED REMEDY
Griddle will not heat	Circuit breaker off or tripped	Reset circuit breaker
One section does not heat	Temperature control knobs not set to desired temperature	Set to desired temperature
	Damaged internal component	Check relay (JG-246UL), elements, thermostats, wiring and jumpers. Replace damaged components, and repair wiring and loose connections as required.
Griddle drips grease	Grease drawer full or not installed	Empty grease drawer. Clean grease build-up from sleeve and install drawer properly
	Damaged component or damaged seal	Verify all seams properly sealed. Verify grease drawer and handle properly assembled. Replace grease tray if required

WARNING
HOT SURFACES

Griddle surface can be VERY HOT and may cause severe burns on contact.

CAUTION:
SHOCK HAZARD

Disconnect electric power before servicing.

NOTE:
Examine connectors for condition. Replace any that are burned, distorted or excessively discolored.

IMPORTANT:
Do not cut, pinch, twist or kink thermostat capillary tube. This will render the thermostat inoperable, and cannot be repaired.

REPLACE THERMOSTAT

1. Disconnect unit from electric power and allow to cool before servicing.
2. Lift splashguard from unit. Store in a safe place for later reuse.
3. Withdraw grease tray from unit. Empty grease into an appropriate container.
4. BUILT-IN GRIDDLES:

   Remove six screws from recessed lip of control panel. Remove control panel from unit (including grease tray sleeve). Withdraw thermostat bulbs from griddle plate.

   IMPORTANT: Do not damage capilary tubes.
5. COUNTERTOP GRIDDLES:

   Remove screws holding front panel to cabinet. Carefully pry panel from bottom and remove from cabinet. Withdraw thermostat bulbs from griddle plate.

   IMPORTANT: Do not damage capilary tubes.
6. Remove control knob. Note and mark position of wiring on thermostat. Disconnect wiring and discard thermostat.
7. Install new thermostat and reconnect wiring. Assemble thermostat to front panel and reinstall control knob.
8. Reinsert thermobulbs. Reinstall control panel.
9. Reconnect unit to electric power and test for proper operation. Reinstall grease drawer and splashguard.

REPLACE HEATING ELEMENT(S)

1. Disconnect unit from electric power and allow to cool before servicing.
2. Lift splashguard from unit. Store in a safe place for later reuse.
3. Withdraw grease tray from unit. Empty grease into an appropriate container.
4. BUILT-IN GRIDDLES:
   a. Remove six screws from recessed lip of control panel. Remove control panel from unit (including grease tray sleeve). Withdraw thermostat bulbs from griddle plate.

      IMPORTANT: Do not damage capilary tubes.

   b. Griddle assembly is held in place by Wellslok fasteners. Twist Wellsloks inward to release. Cut seal at counter, then lift griddle assembly from counter cut-out.

   c. Invert assembly for easier access. Remove bottom panel from griddle plate assembly. Remove grease drawer cover.
5. COUNTERTOP GRIDDLES:
   a. Remove holding screws from top edge of cabinet sides and back. Raise griddle top and support with appropriate blocking (e.g. 4 x 4 lumber).

   b. Withdraw thermostat bulbs from griddle plate.

      IMPORTANT: Do not damage capilary tubes.

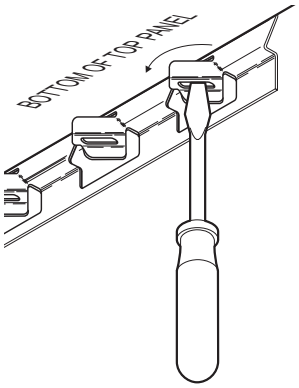
   c. Invert assembly for easier access. Remove grease drawer cover.
6. Note and mark position of wiring on elements. Disconnect wiring from elements.
7. Mark insulation for orientation. Fold insulation retainers to allow insulation to be removed. Carefully lift insulation from griddle.
8. Remove element clamps as necessary. Replace element(s), then reinstall clamps (refer to appropriate Clamping Diagram). Be sure to use anti-sieze on element clamp studs.
9. Reinstall insulation. Reconnect wiring.
10. For built-in griddles, apply fresh sealant strips to bottom edge of griddle assembly. Lower assembly into unit, then secure by turning out Wellsloks. Apply a thin bead of food-grade silicone completely around edge of assembly to seal it to the top panel.
11. Return griddle assembly to its proper orientation.
12. Reinsert thermobulbs. For built-in griddles, reinstall control panel. For countertop griddles, reattach top assembly to cabinet.
13. Reconnect unit to electric power and test for proper operation. Reinstall grease drawer and splashguard.

WARNING
HOT SURFACES

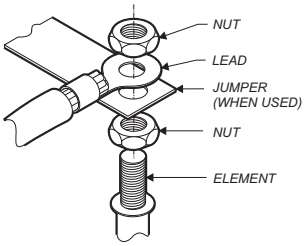
Griddle surface can be VERY HOT and may cause severe burns on contact.

CAUTION:
SHOCK HAZARD

Disconnect electric power before servicing.



Wellslok Fastener



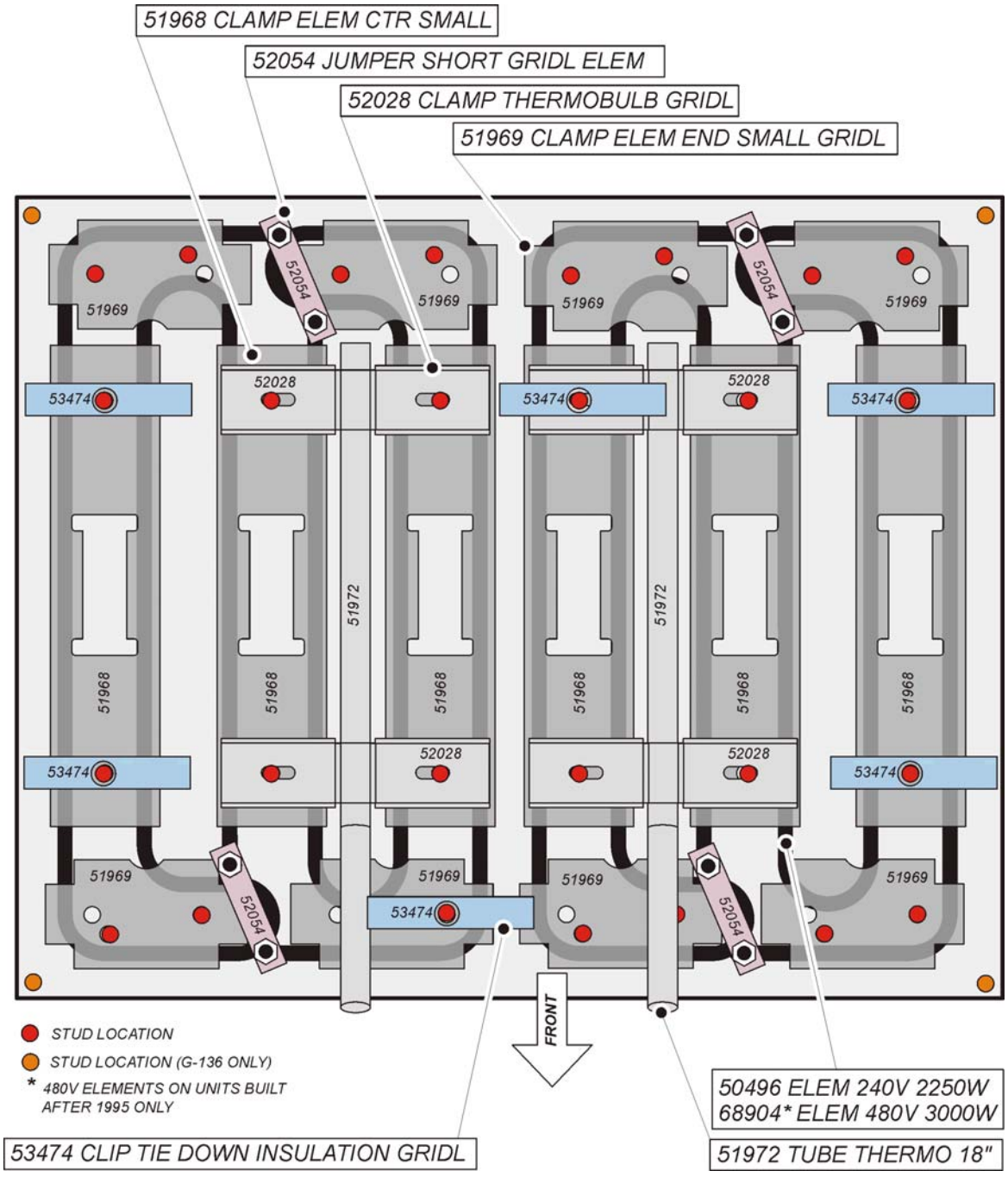
Power Lead Connection

NOTE:
Examine connectors for condition. Replace any that are burned, distorted or excessively discolored.

IMPORTANT:
Do not cut, pinch, twist or kink thermostat capillary tube. This will render the thermostat inoperable, and cannot be repaired.

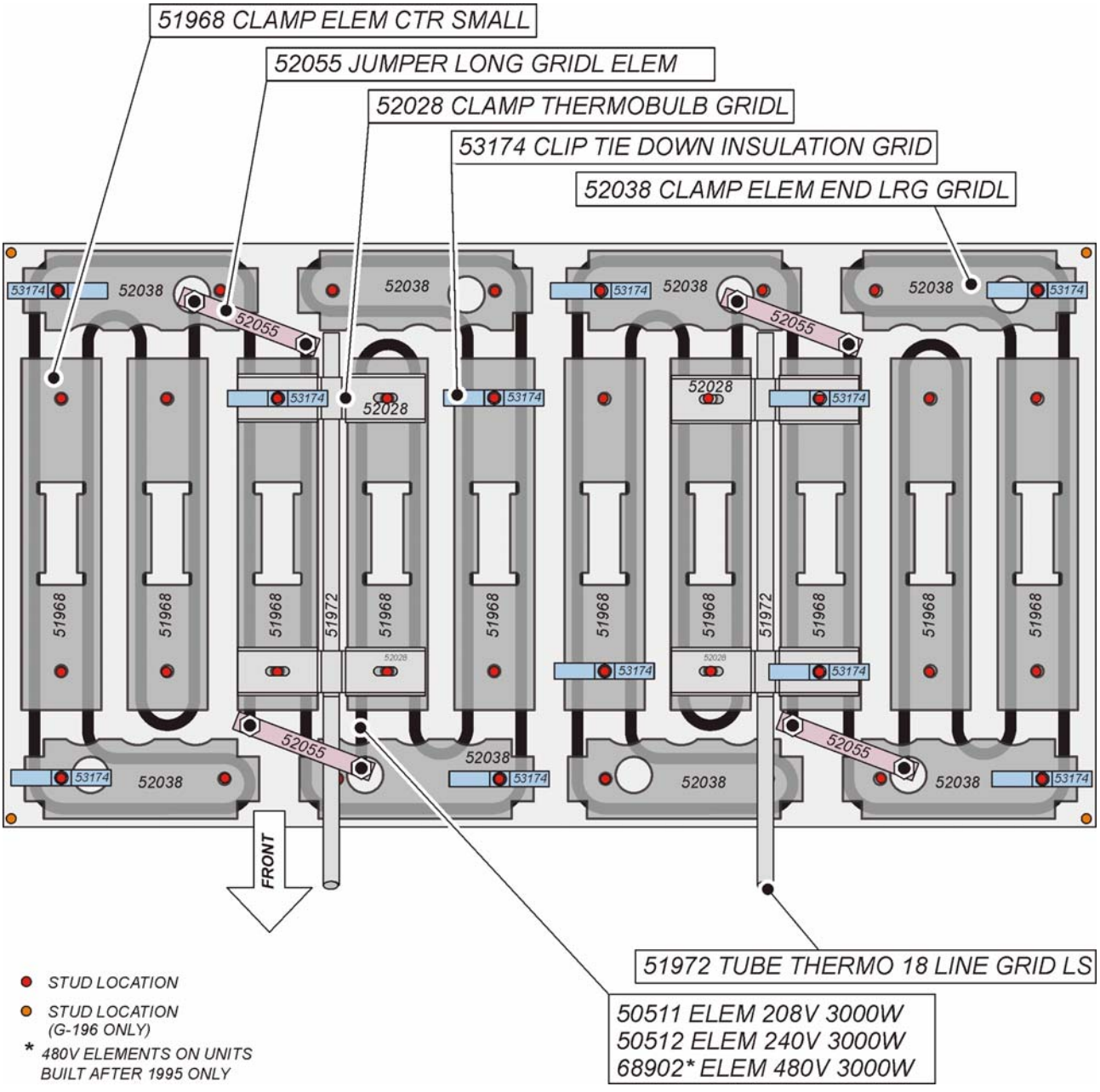
SERVICING INSTRUCTIONS (continued)

HEATING ELEMENT CLAMPING DIAGRAM G-13 and G-136



NOTE: Griddle shown inverted

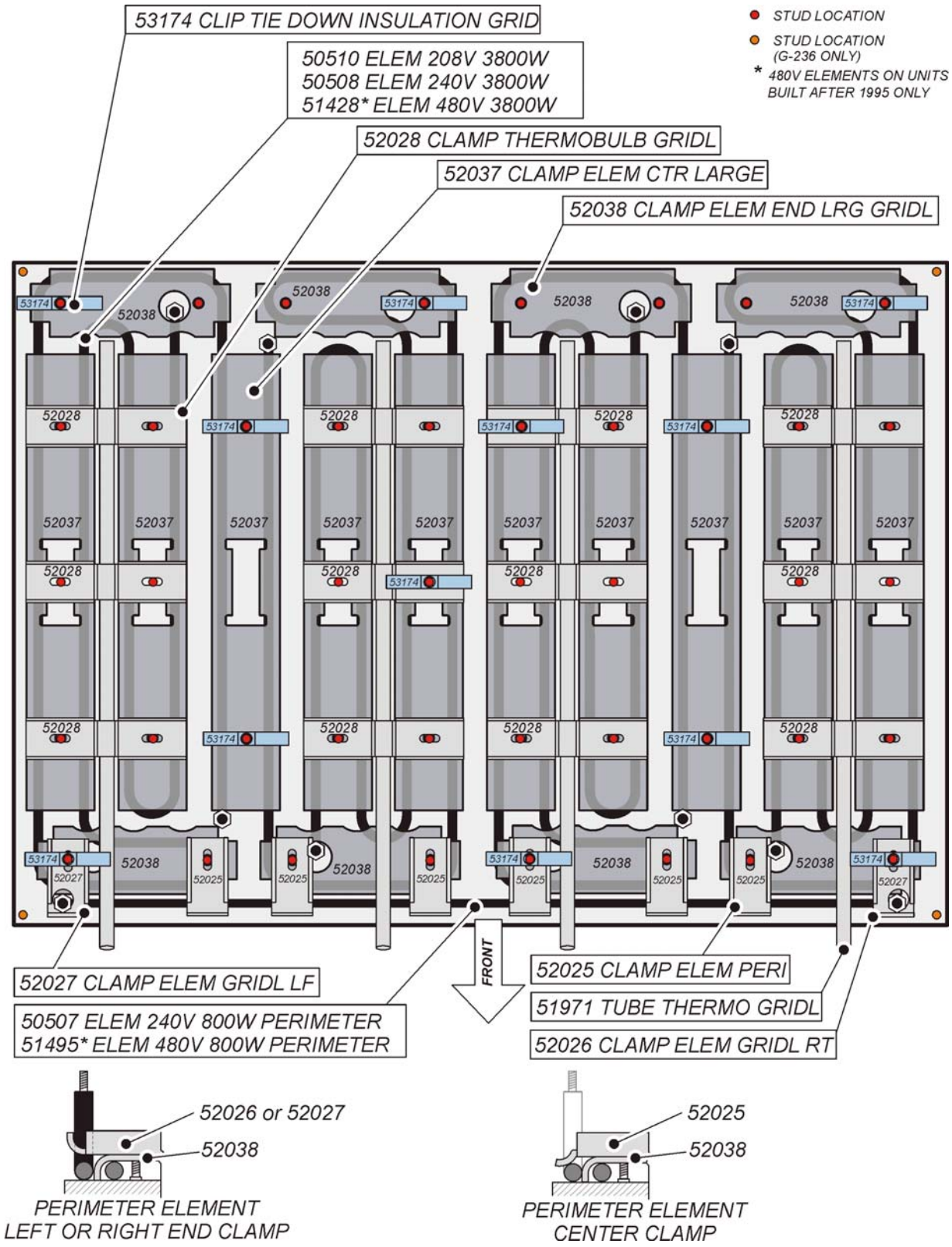
HEATING ELEMENT CLAMPING DIAGRAM G-19 and G-196



NOTE: Griddle shown inverted

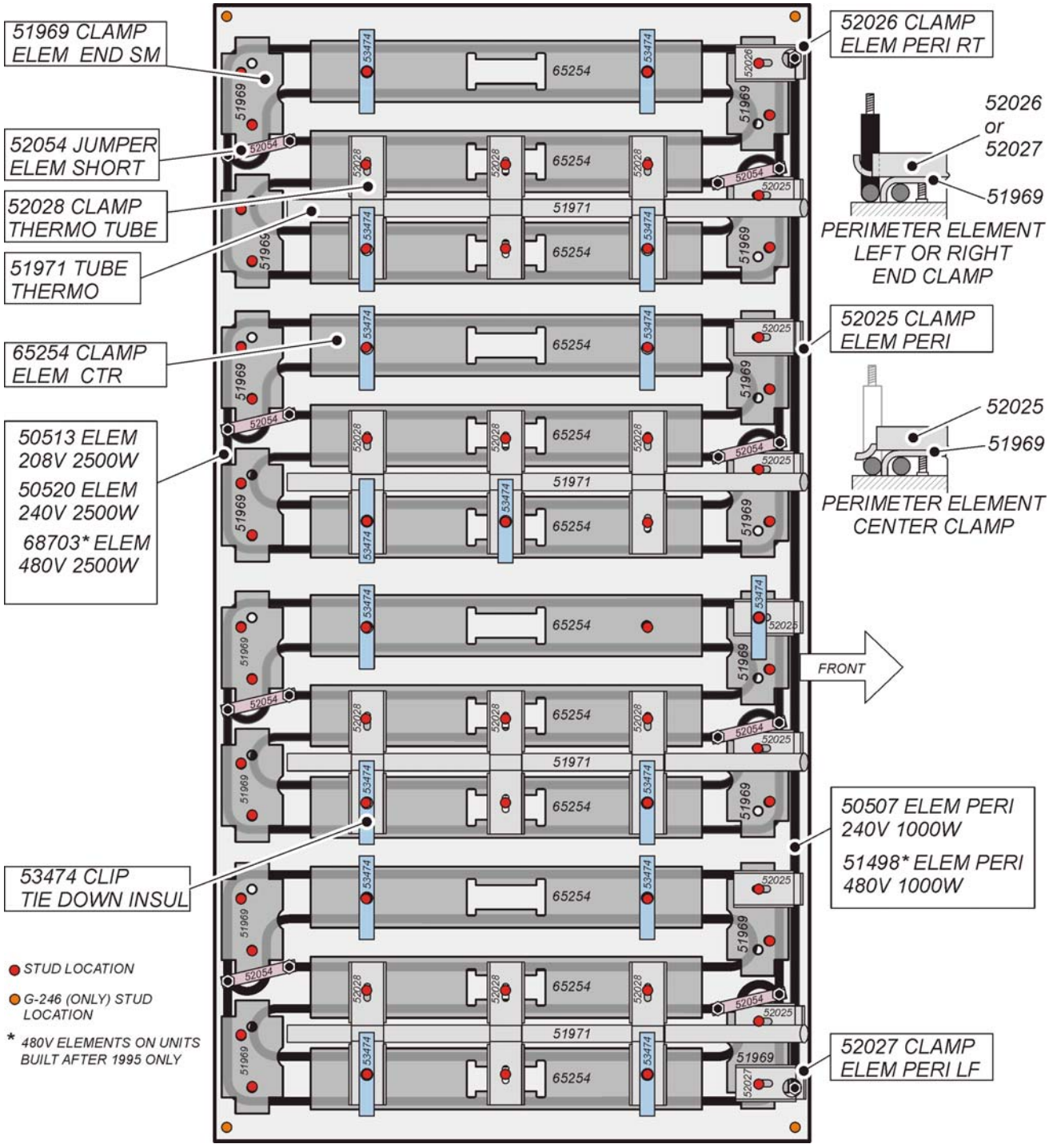
SERVICING INSTRUCTIONS (continued)

HEATING ELEMENT CLAMPING DIAGRAM G-23 and G-236


53174 CLIP TIE DOWN INSULATION GRID
50510 ELEM 208V 3800W
50508 ELEM 240V 3800W
51428* ELEM 480V 3800W
52028 CLAMP THERMOBULB GRIDL
52037 CLAMP ELEM CTR LARGE
52038 CLAMP ELEM END LRG GRIDL
STUD LOCATION
STUD LOCATION (G-236 ONLY)
* 480V ELEMENTS ON UNITS BUILT AFTER 1995 ONLY
FRONT
52027 CLAMP ELEM GRIDL LF
50507 ELEM 240V 800W PERIMETER
51495* ELEM 480V 800W PERIMETER
52025 CLAMP ELEM PERI
51971 TUBE THERMO GRIDL
52026 CLAMP ELEM GRIDL RT
52026 or 52027
52038
PERIMETER ELEMENT LEFT OR RIGHT END CLAMP
52025
52038
PERIMETER ELEMENT CENTER CLAMP

NOTE: Griddle shown inverted

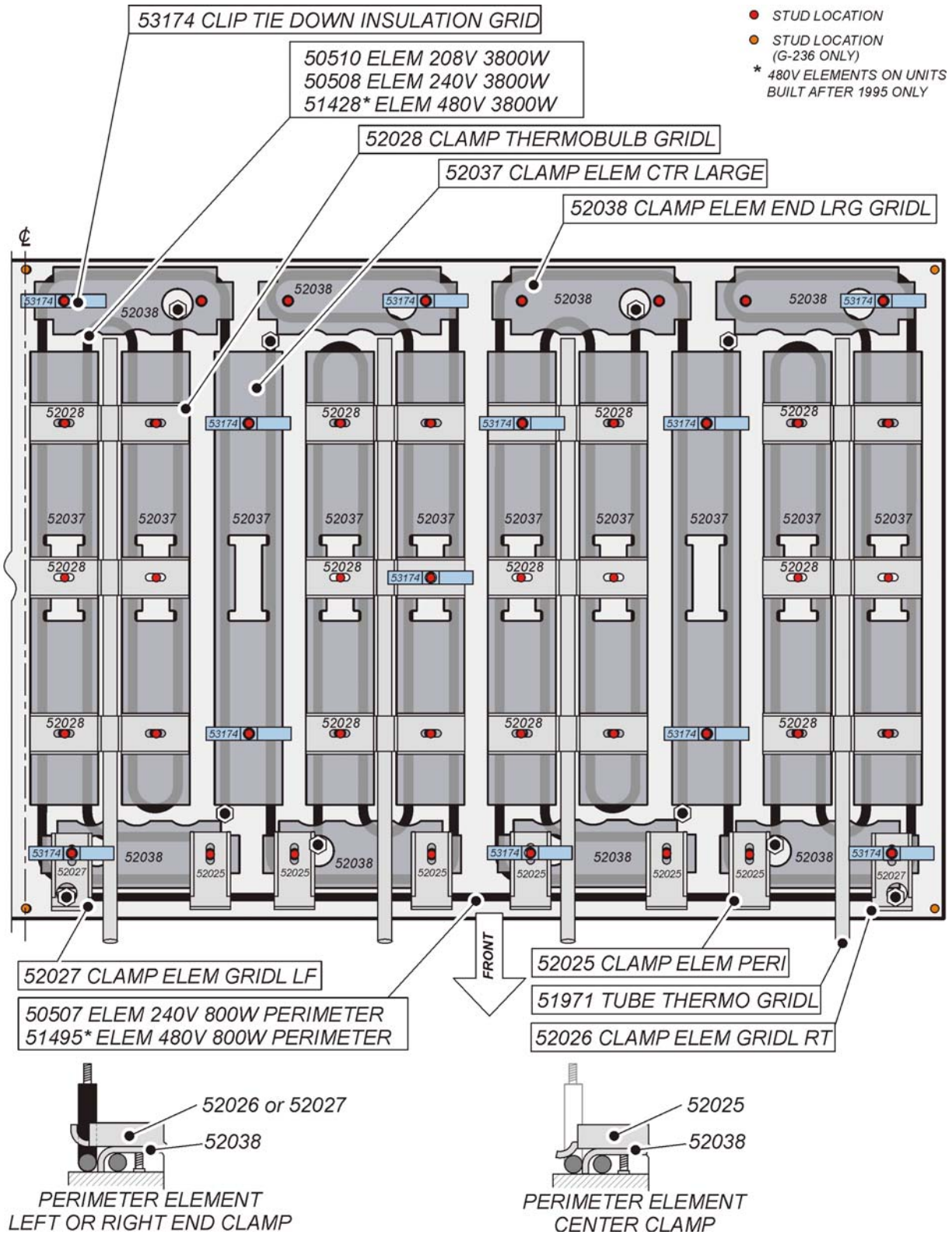
HEATING ELEMENT CLAMPING DIAGRAM G-24 and G-246



NOTE: Griddle shown inverted

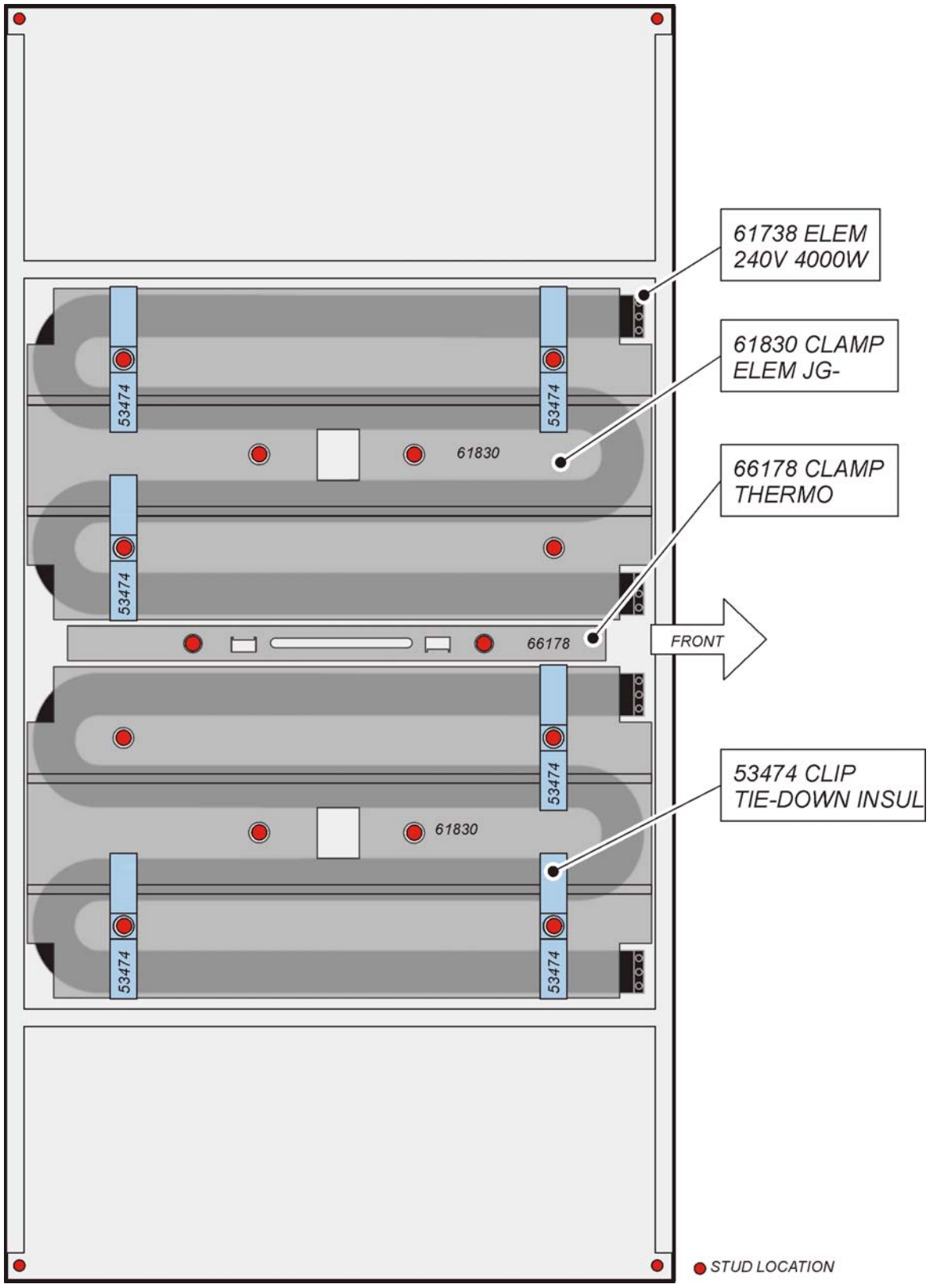
SERVICING INSTRUCTIONS (continued)

HEATING ELEMENT CLAMPING DIAGRAM G-60 and G-606


53174 CLIP TIE DOWN INSULATION GRID
50510 ELEM 208V 3800W
50508 ELEM 240V 3800W
51428* ELEM 480V 3800W
52028 CLAMP THERMOBULB GRIDL
52037 CLAMP ELEM CTR LARGE
52038 CLAMP ELEM END LRG GRIDL
STUD LOCATION
STUD LOCATION (G-236 ONLY)
* 480V ELEMENTS ON UNITS BUILT AFTER 1995 ONLY
52027 CLAMP ELEM GRIDL LF
50507 ELEM 240V 800W PERIMETER
51495* ELEM 480V 800W PERIMETER
FRONT
52025 CLAMP ELEM PERI
51971 TUBE THERMO GRIDL
52026 CLAMP ELEM GRIDL RT
52026 or 52027
52038
PERIMETER ELEMENT LEFT OR RIGHT END CLAMP
52025
52038
PERIMETER ELEMENT CENTER CLAMP

NOTE: Griddle shown inverted.
Only one half of the unit is shown. Both halves are essentially identical.

HEATING ELEMENT CLAMPING DIAGRAM JG-246UL



NOTE: Griddle shown inverted

SERVICING INSTRUCTIONS (continued)

REPLACEMENT OF MERCURY RELAYS (JG-246UL)

CAUTION:
ELECTRIC SHOCK HAZARD

Disconnect from electric power before servicing appliance.

CAUTION:
BURN HAZARD

Allow unit to cool before proceeding.

IMPORTANT
Old relays contain mercury. Dispose of properly per applicable codes and ordinances.

Before removal, mark wires at relay .

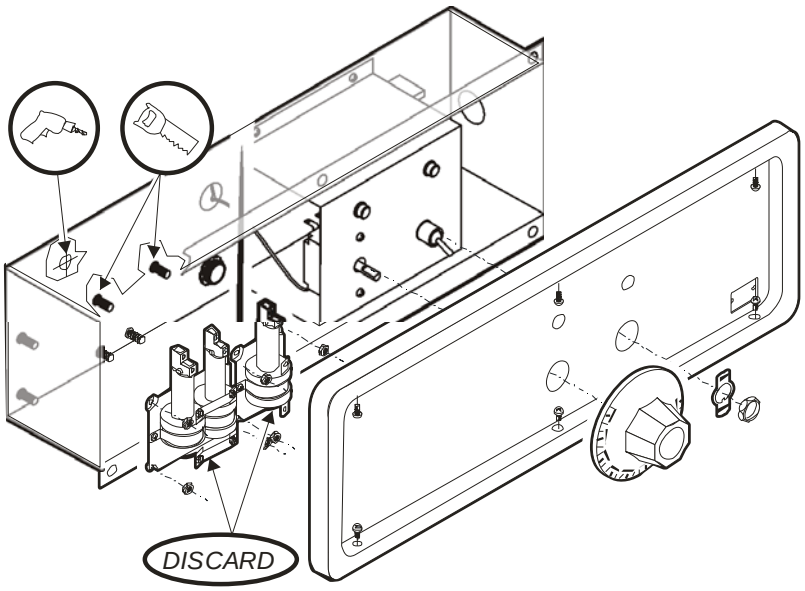
SUGGESTION
Weldstuds may be removed with end cutters. Alternately, a rotary tool with cut-off disk may be used, provided that other components in the control box are protected from cutting sparks and debris. Weldstuds do not need to be removed completely, but must be reduced to prevent interference with the new relay.

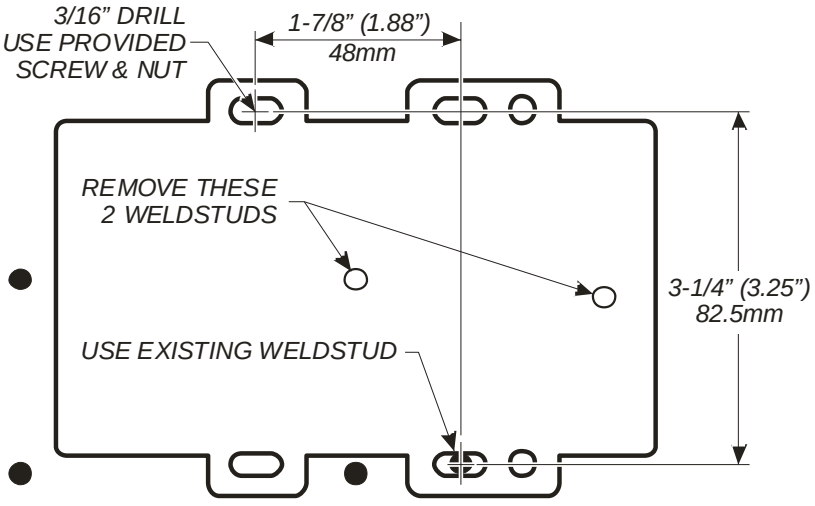
KIT 65655A CONTENTS

1 ea	Relay E-Safe 506976B
1 ea	Insulation
1 ea	Control Panel Louvered
1 ea	Nut 8-32 KEPS 51053
1 ea	Screw 8-32x1/2
6 ea	Ring Terminals
2 ea	Push-On Terminals
2 ea	Pop Rivets 54284
1 ea	Envelope w/ Wiring Diagram

Per new Federal environmental regulations, and effective immediately, mercury-bearing devices may no longer be included in new-manufacture appliances. For Wells Bloomfield equipment, this applies mainly to mercury-wetted-contact relays.

- Such mercury relays *may* be used to replace like relays during equipment repair. For ordering purposes, replacement mercury relays are limited to Wells Bloomfield stock on hand.
- To upgrade to the new solid state E-Safe II relay, order kit p/n 65655A.





Kit #65655A replaces existing mercury 1P and 2P relays with a single electronic 3P E-Safe relay.

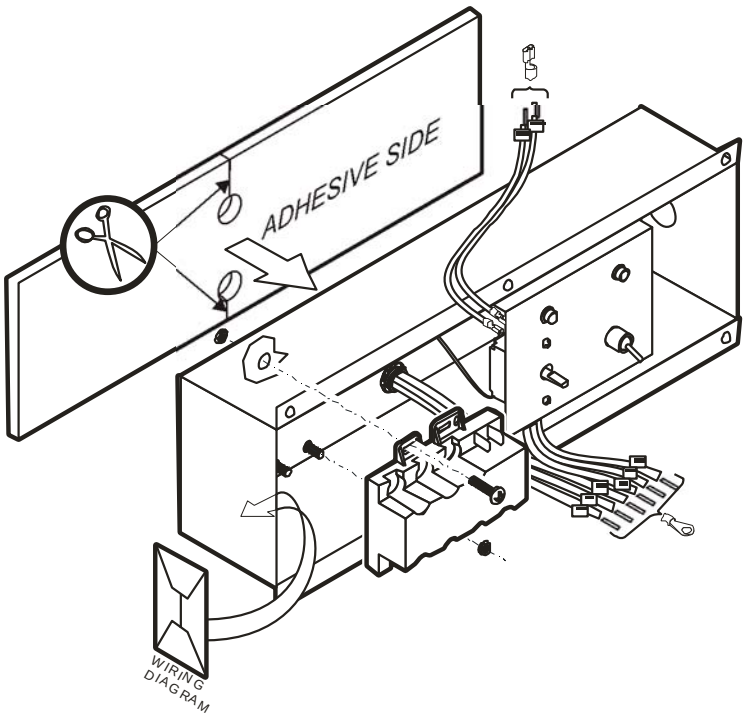
PREPARATION

- Disconnect griddle from electric power and allow to cool before proceeding.
- Remove front panel. Remove and discard both relays.
- Cut off two top right weldstuds.
- Mark and drill 3/16" hole for mounting E-Safe relay. De-burr the hole.

INSTALLATION

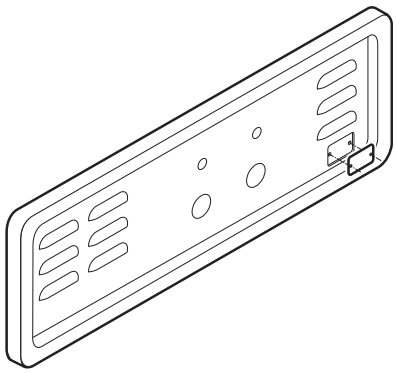
- E-Safe relays is installed with control terminals A1 & A2 positioned to the upper right.
- Mount lower right oblong mounting hole of relay on lower right weldstud. Be sure remaining portions of cut-off weldstuds do not contact relay. Use existing nut to secure relay.
- Use provided screw and nut to secure relay upper left mounting hole to newly drilled hole in control panel.
- Crimp provided ring terminals on existing wires: #2 (T1), #3 (T2), #4(T3), #5 (L3), #6 (L2) and #7 (L3).
- Crimp provided push-on terminals on existing wires: #12 (A2) and #13 (A1).
- Reconnect wires to relay using wiring diagram p/n 307339.
- Cut thermal insulation as indicated and install on rear of control panel.
- Tape envelope with wiring diagram to inside left end of control box.
- Reassemble new front panel to control box.

Reconnect unit to electric power. Test unit for proper operation.



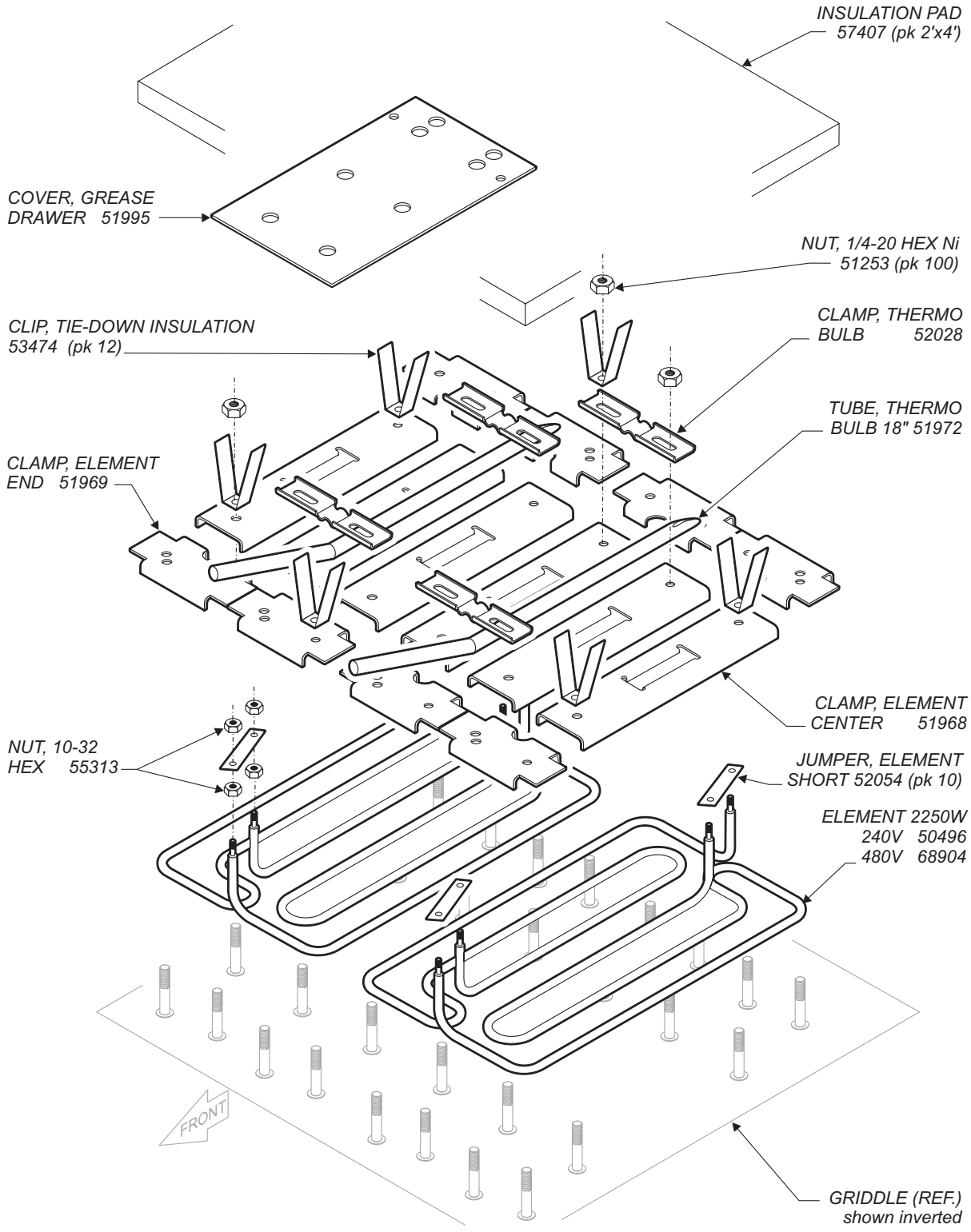
NOTE:

The E-Safe relay has more stringent cooling requirements than mercury relays. This kit provides a thermal insulation backing and a ventilated front panel to help maintain acceptable temperatures within the control box.

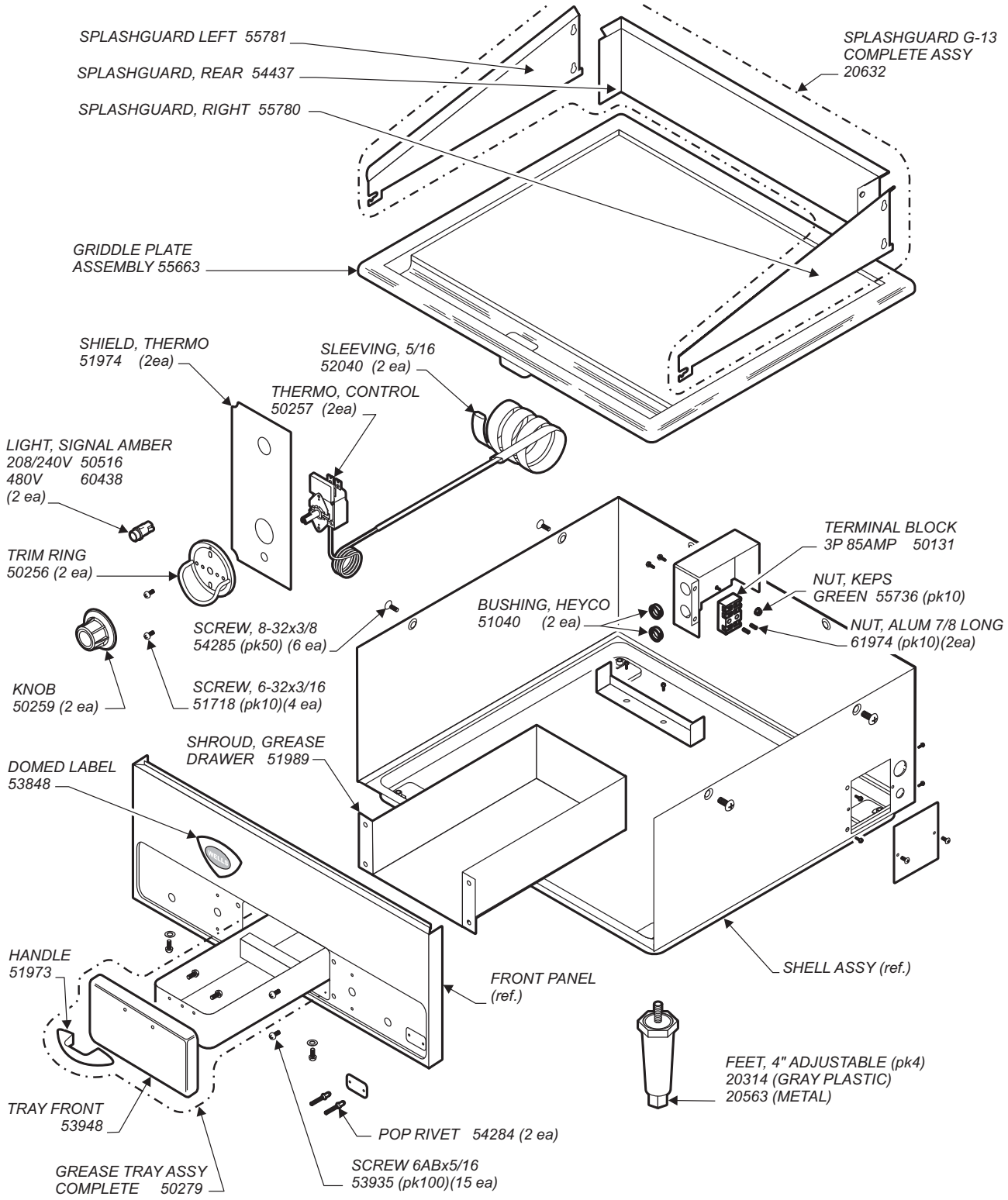


EXPLODED VIEWS & SERVICE PARTS

COUNTERTOP GRIDDLE G-13 GRIDDLE TOP ASSEMBLY

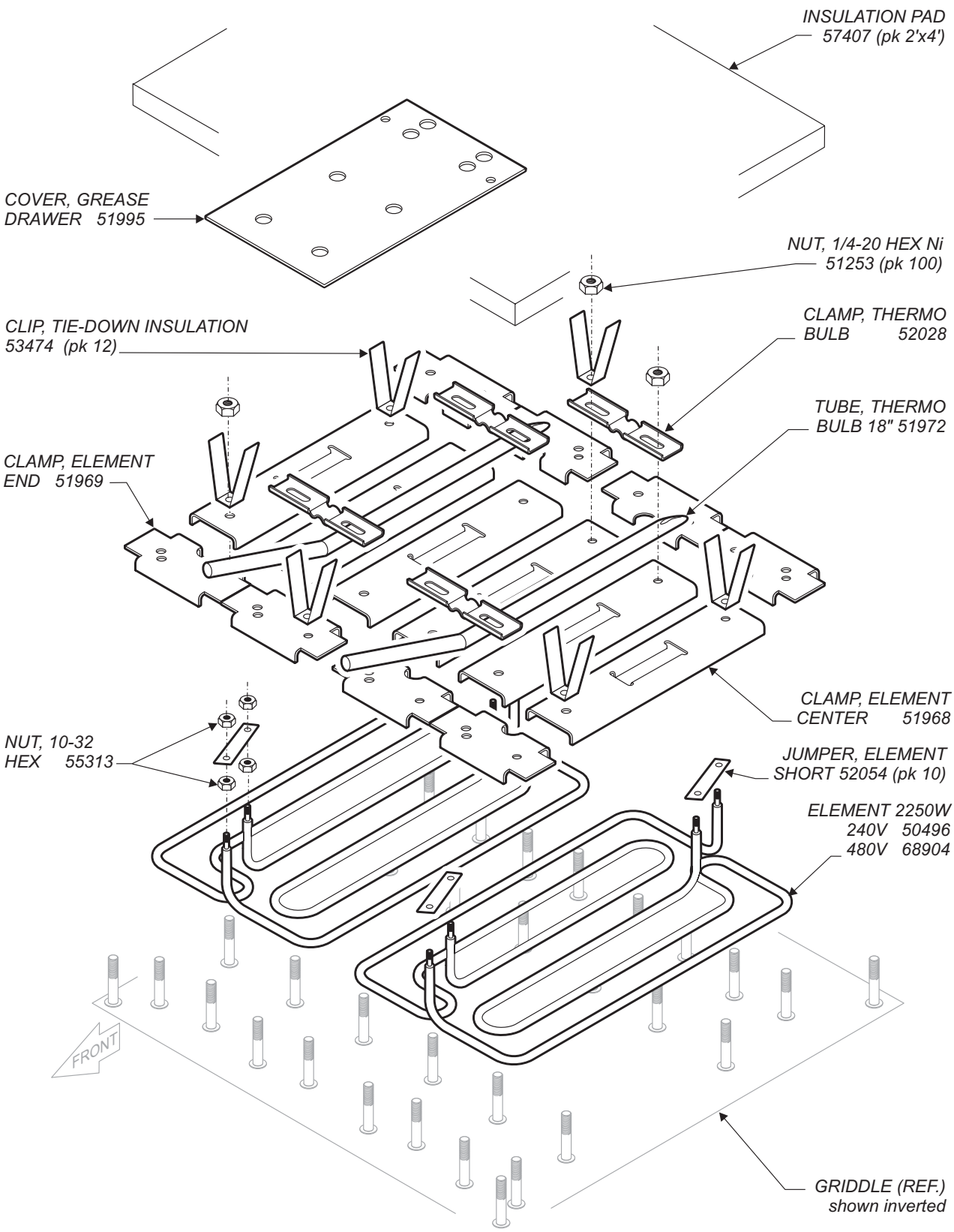


COUNTERTOP GRIDDLE G-13 CABINET & ELECTRICAL

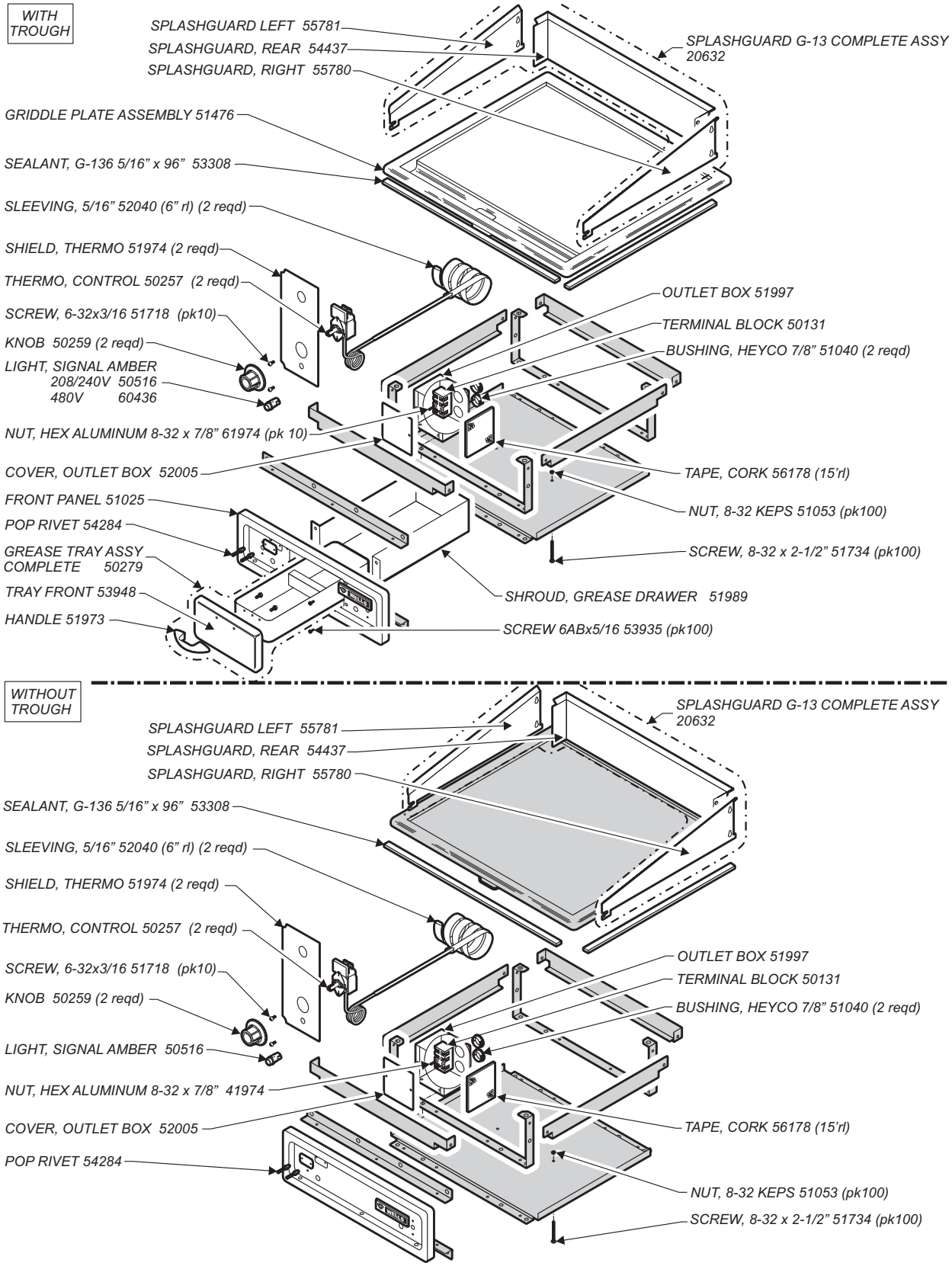

SPLASHGUARD LEFT 55781
SPLASHGUARD, REAR 54437
SPLASHGUARD, RIGHT 55780
SPLASHGUARD G-13 COMPLETE ASSY 20632
GRIDDLE PLATE ASSEMBLY 55663
SHIELD, THERMO 51974 (2ea)
SLEEVING, 5/16 52040 (2 ea)
THERMO, CONTROL 50257 (2ea)
LIGHT, SIGNAL AMBER 208/240V 50516 480V 60438 (2 ea)
TRIM RING 50256 (2 ea)
TERMINAL BLOCK 3P 85AMP 50131
NUT, KEPS GREEN 55736 (pk10)
BUSHING, HEYCO 51040 (2 ea)
NUT, ALUM 7/8 LONG 61974 (pk10)(2ea)
SCREW, 8-32x3/8 54285 (pk50) (6 ea)
KNOB 50259 (2 ea)
SCREW, 6-32x3/16 51718 (pk10)(4 ea)
SHROUD, GREASE DRAWER 51989
DOMED LABEL 53848
HANDLE 51973
FRONT PANEL (ref.)
SHELL ASSY (ref.)
FEET, 4" ADJUSTABLE (pk4) 20314 (GRAY PLASTIC) 20563 (METAL)
TRAY FRONT 53948
POP RIVET 54284 (2 ea)
GREASE TRAY ASSY COMPLETE 50279
SCREW 6ABx5/16 53935 (pk100)(15 ea)

EXPLODED VIEWS & SERVICE PARTS (continued)

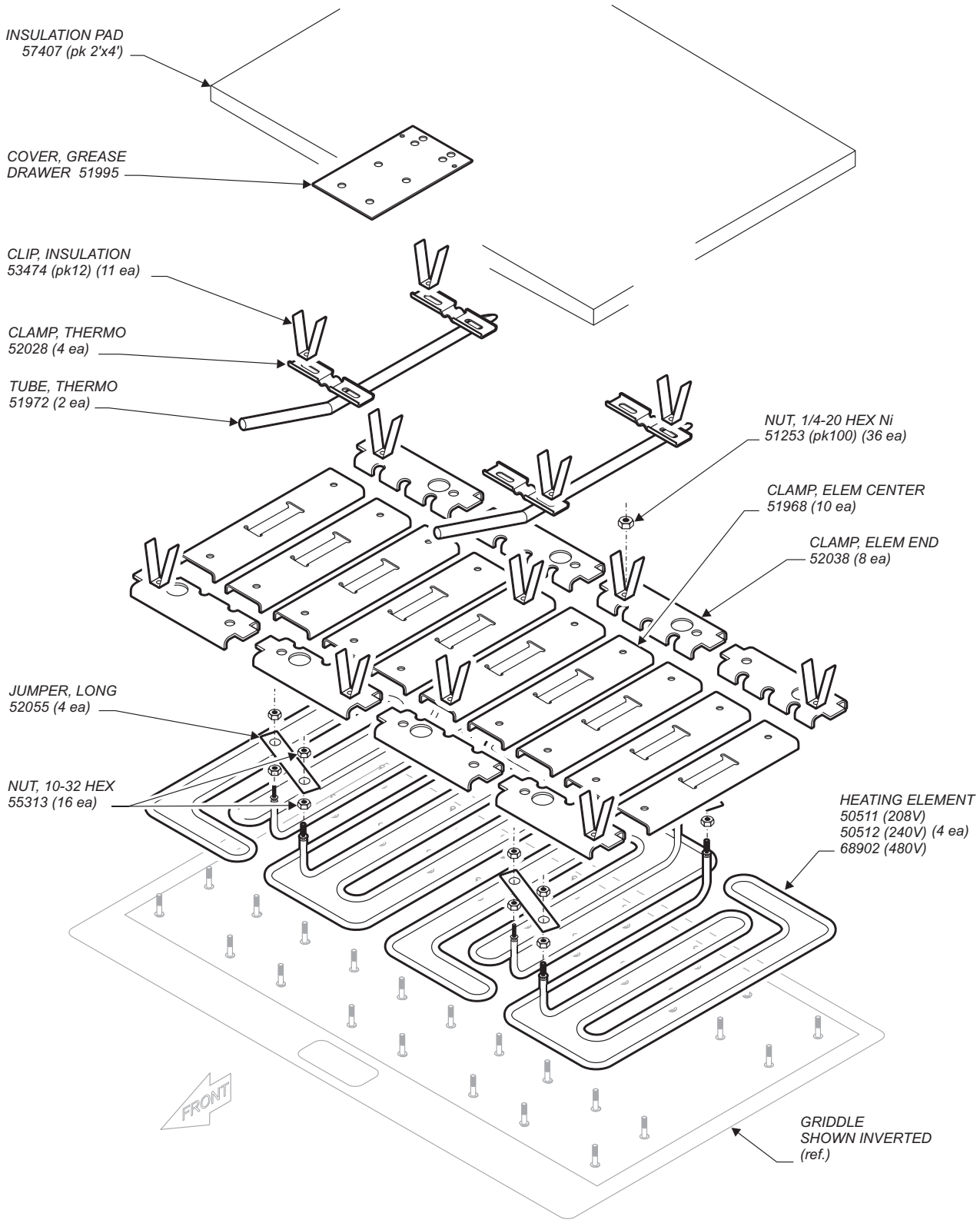
COUNTERTOP GRIDDLE G-136 GRIDDLE TOP ASSEMBLY



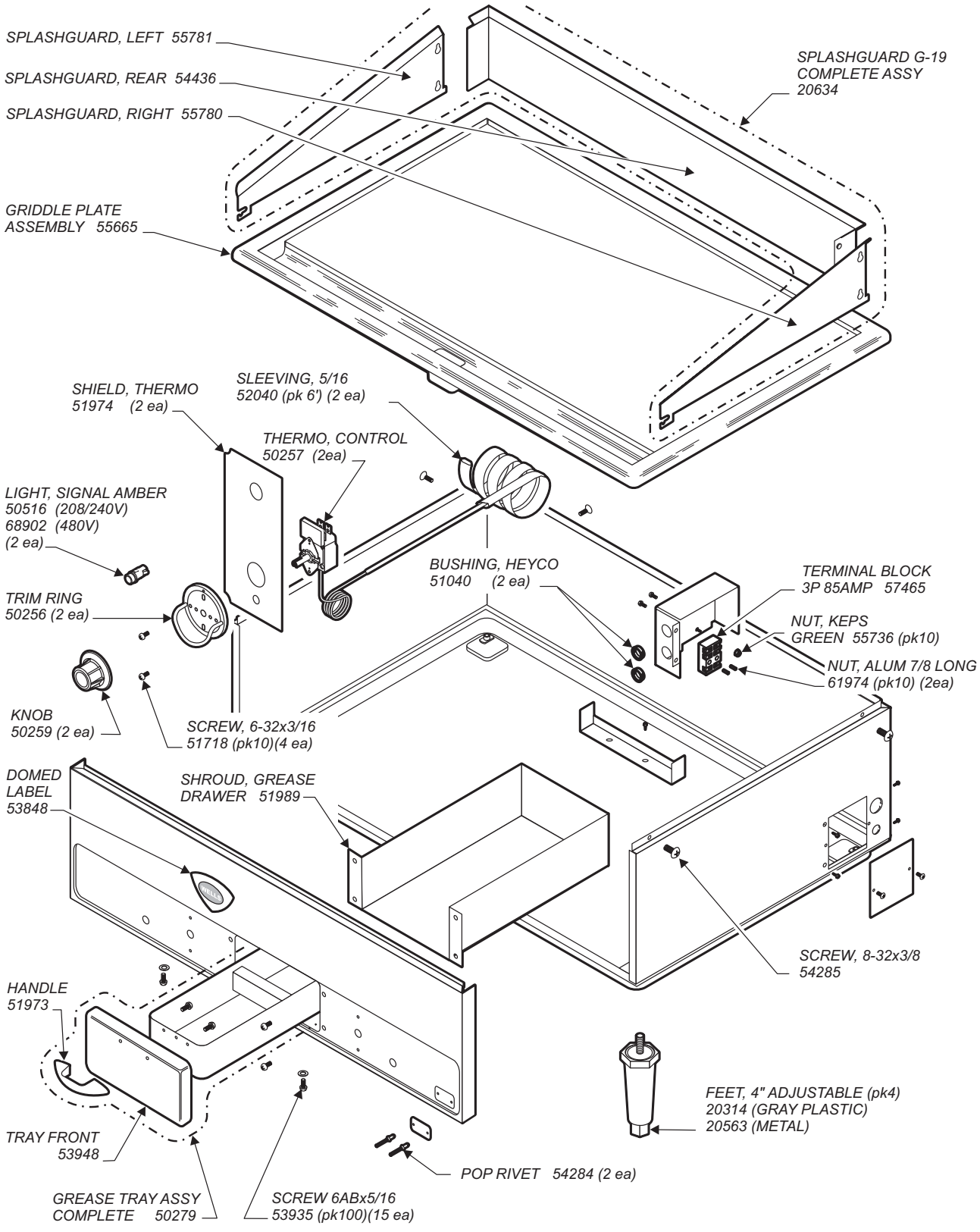
COUNTERTOP GRIDDLE G-136 CABINET & ELECTRICAL


WITH TROUGH
SPLASHGUARD LEFT 55781
SPLASHGUARD, REAR 54437
SPLASHGUARD, RIGHT 55780
SPLASHGUARD G-13 COMPLETE ASSY 20632
GRIDDLE PLATE ASSEMBLY 51476
SEALANT, G-136 5/16" x 96" 53308
SLEEVING, 5/16" 52040 (6" rl) (2 reqd)
SHIELD, THERMO 51974 (2 reqd)
THERMO, CONTROL 50257 (2 reqd)
SCREW, 6-32x3/16 51718 (pk10)
KNOB 50259 (2 reqd)
LIGHT, SIGNAL AMBER
208/240V 50516
480V 60436
NUT, HEX ALUMINUM 8-32 x 7/8" 61974 (pk 10)
COVER, OUTLET BOX 52005
FRONT PANEL 51025
POP RIVET 54284
GREASE TRAY ASSY COMPLETE 50279
TRAY FRONT 53948
HANDLE 51973
OUTLET BOX 51997
TERMINAL BLOCK 50131
BUSHING, HEYCO 7/8" 51040 (2 reqd)
TAPE, CORK 56178 (15'rl)
NUT, 8-32 KEPS 51053 (pk100)
SCREW, 8-32 x 2-1/2" 51734 (pk100)
SHROUD, GREASE DRAWER 51989
SCREW 6ABx5/16 53935 (pk100)
WITHOUT TROUGH
SPLASHGUARD G-13 COMPLETE ASSY 20632
SPLASHGUARD LEFT 55781
SPLASHGUARD, REAR 54437
SPLASHGUARD, RIGHT 55780
SEALANT, G-136 5/16" x 96" 53308
SLEEVING, 5/16" 52040 (6" rl) (2 reqd)
SHIELD, THERMO 51974 (2 reqd)
THERMO, CONTROL 50257 (2 reqd)
SCREW, 6-32x3/16 51718 (pk10)
KNOB 50259 (2 reqd)
LIGHT, SIGNAL AMBER 50516
NUT, HEX ALUMINUM 8-32 x 7/8" 41974
COVER, OUTLET BOX 52005
POP RIVET 54284
OUTLET BOX 51997
TERMINAL BLOCK 50131
BUSHING, HEYCO 7/8" 51040 (2 reqd)
TAPE, CORK 56178 (15'rl)
NUT, 8-32 KEPS 51053 (pk100)
SCREW, 8-32 x 2-1/2" 51734 (pk100)

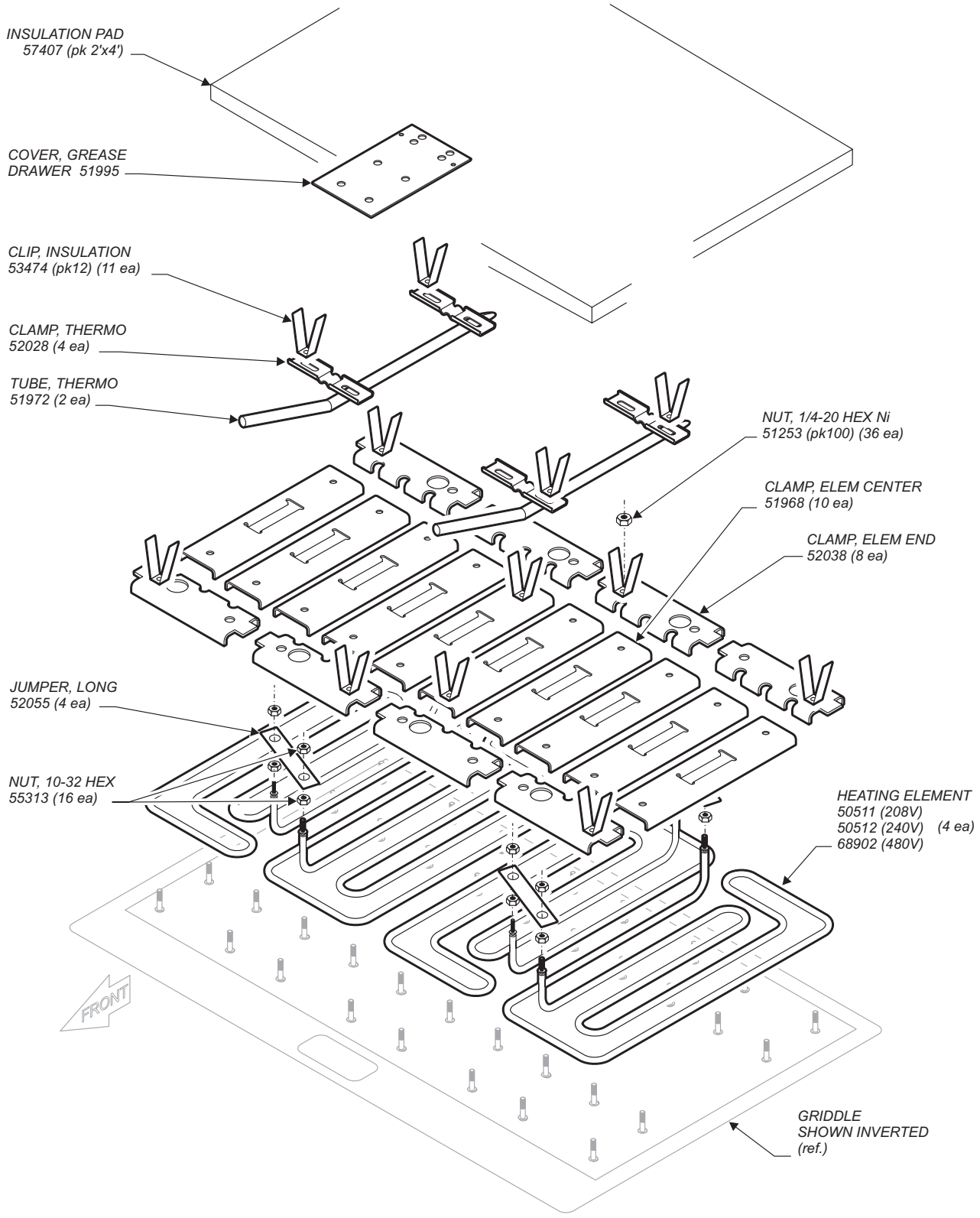
COUNTERTOP GRIDDLE G-19 GRIDDLE TOP ASSEMBLY



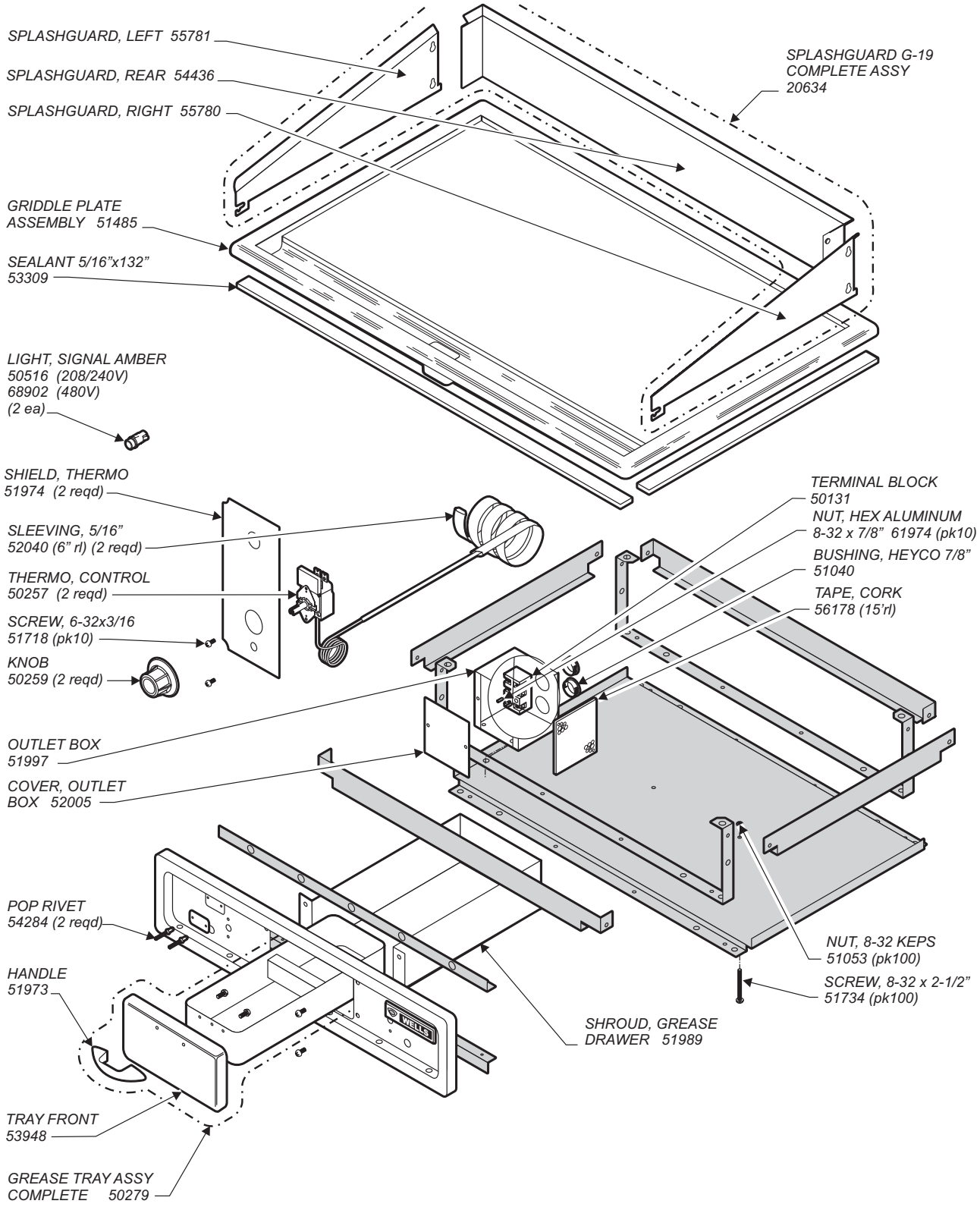
COUNTERTOP GRIDDLE G-19 CABINET & ELECTRICAL


SPLASHGUARD, LEFT 55781
SPLASHGUARD, REAR 54436
SPLASHGUARD, RIGHT 55780
SPLASHGUARD G-19 COMPLETE ASSY 20634
GRIDDLE PLATE ASSEMBLY 55665
SHIELD, THERMO 51974 (2 ea)
SLEEVING, 5/16 52040 (pk 6') (2 ea)
THERMO, CONTROL 50257 (2ea)
LIGHT, SIGNAL AMBER 50516 (208/240V) 68902 (480V) (2 ea)
BUSHING, HEYCO 51040 (2 ea)
TERMINAL BLOCK 3P 85AMP 57465
TRIM RING 50256 (2 ea)
NUT, KEPS GREEN 55736 (pk10)
NUT, ALUM 7/8 LONG 61974 (pk10) (2ea)
KNOB 50259 (2 ea)
SCREW, 6-32x3/16 51718 (pk10)(4 ea)
DOMED LABEL 53848
SHROUD, GREASE DRAWER 51989
SCREW, 8-32x3/8 54285
HANDLE 51973
FEET, 4" ADJUSTABLE (pk4) 20314 (GRAY PLASTIC) 20563 (METAL)
TRAY FRONT 53948
POP RIVET 54284 (2 ea)
GREASE TRAY ASSY COMPLETE 50279
SCREW 6ABx5/16 53935 (pk100)(15 ea)

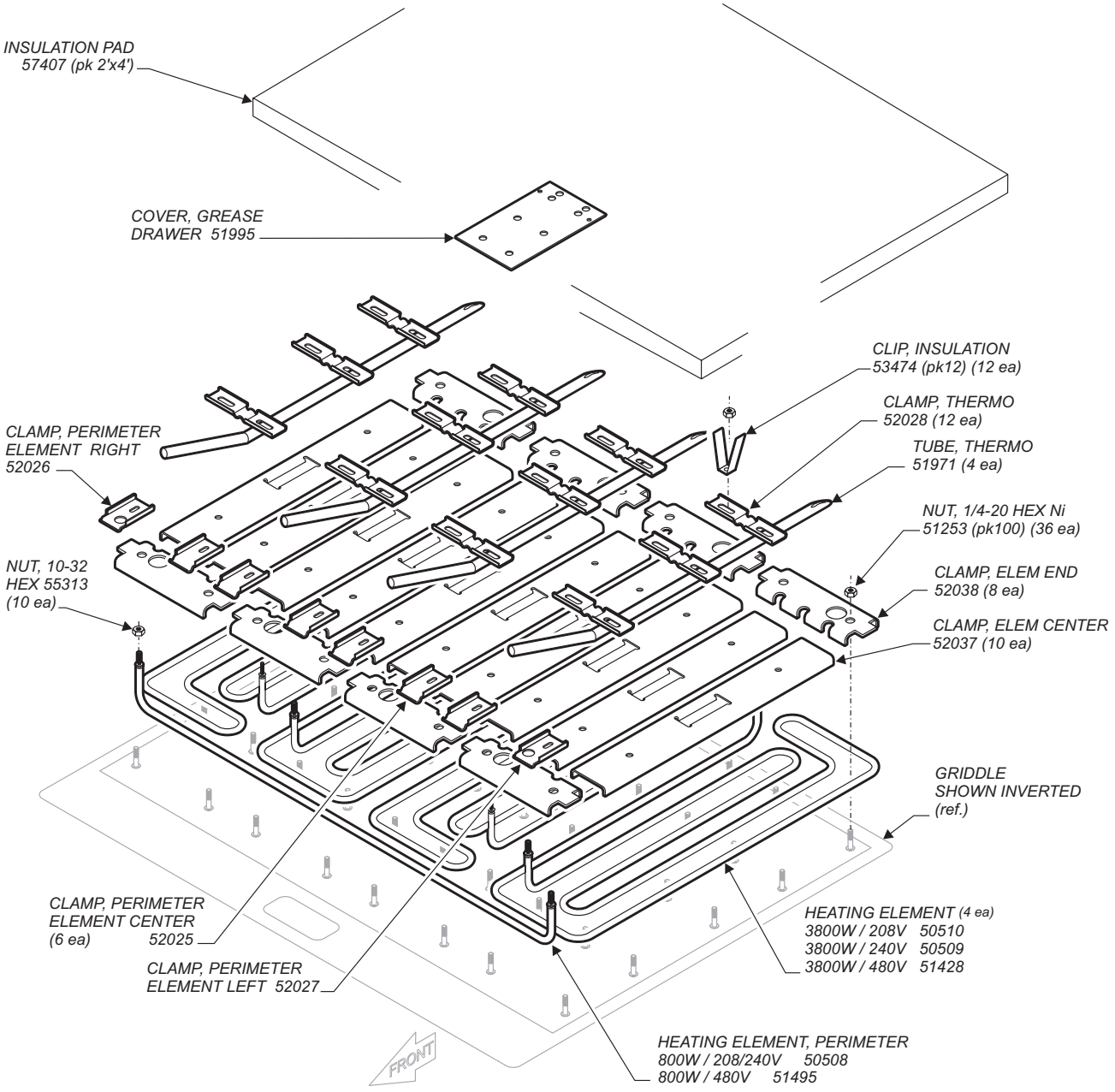
COUNTERTOP GRIDDLE G-196 GRIDDLE TOP ASSEMBLY



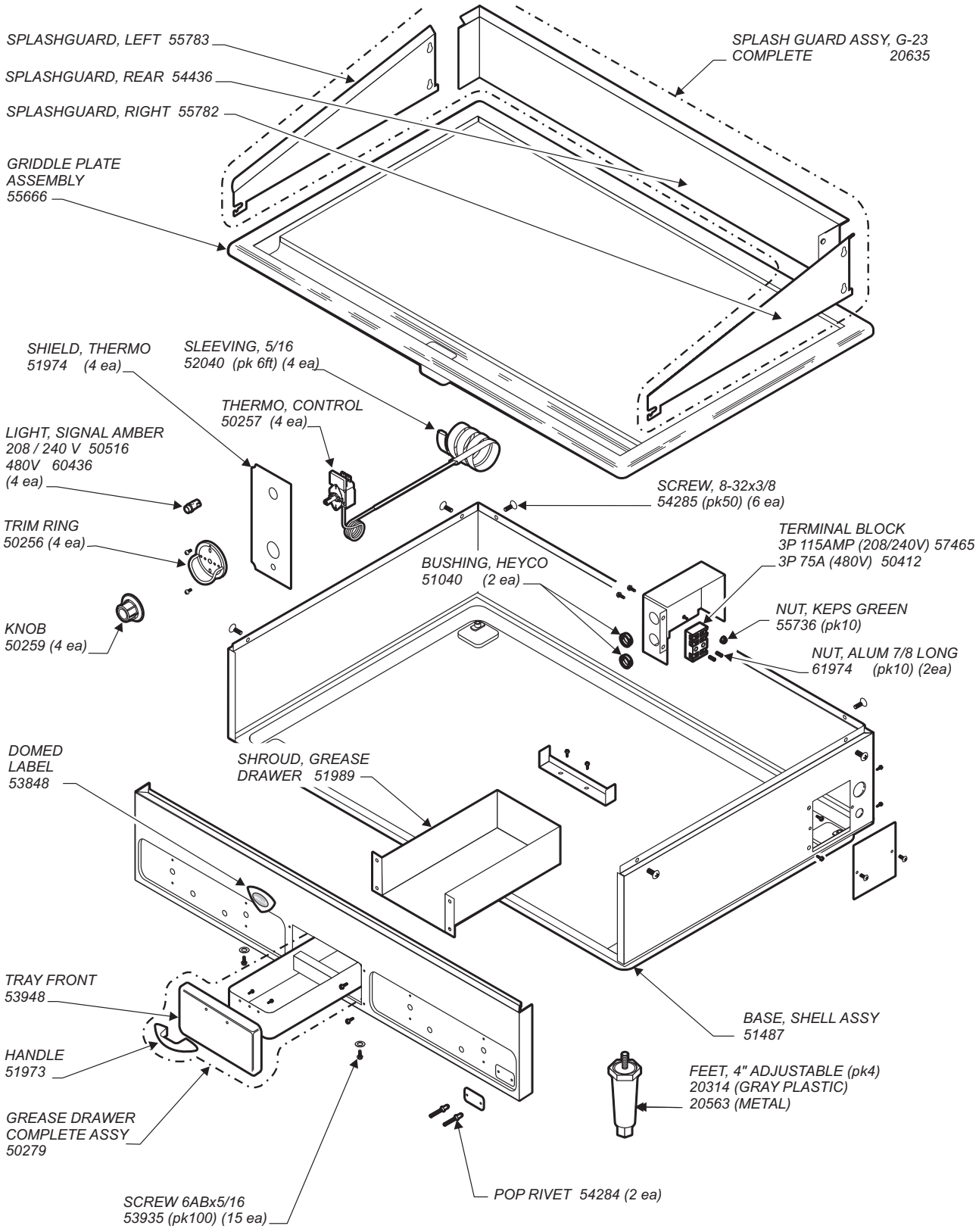
COUNTERTOP GRIDDLE G-196 CABINET & ELECTRICAL


SPLASHGUARD, LEFT 55781
SPLASHGUARD, REAR 54436
SPLASHGUARD, RIGHT 55780
SPLASHGUARD G-19 COMPLETE ASSY 20634
GRIDDLE PLATE ASSEMBLY 51485
SEALANT 5/16"x132" 53309
LIGHT, SIGNAL AMBER 50516 (208/240V) 68902 (480V) (2 ea)
SHIELD, THERMO 51974 (2 reqd)
SLEEVING, 5/16" 52040 (6" rl) (2 reqd)
THERMO, CONTROL 50257 (2 reqd)
SCREW, 6-32x3/16 51718 (pk10)
KNOB 50259 (2 reqd)
TERMINAL BLOCK 50131
NUT, HEX ALUMINUM 8-32 x 7/8" 61974 (pk10)
BUSHING, HEYCO 7/8" 51040
TAPE, CORK 56178 (15'rl)
OUTLET BOX 51997
COVER, OUTLET BOX 52005
POP RIVET 54284 (2 reqd)
HANDLE 51973
NUT, 8-32 KEPS 51053 (pk100)
SCREW, 8-32 x 2-1/2" 51734 (pk100)
SHROUD, GREASE DRAWER 51989
TRAY FRONT 53948
GREASE TRAY ASSY COMPLETE 50279

COUNTERTOP GRIDDLE G-23 GRIDDLE TOP ASSEMBLY

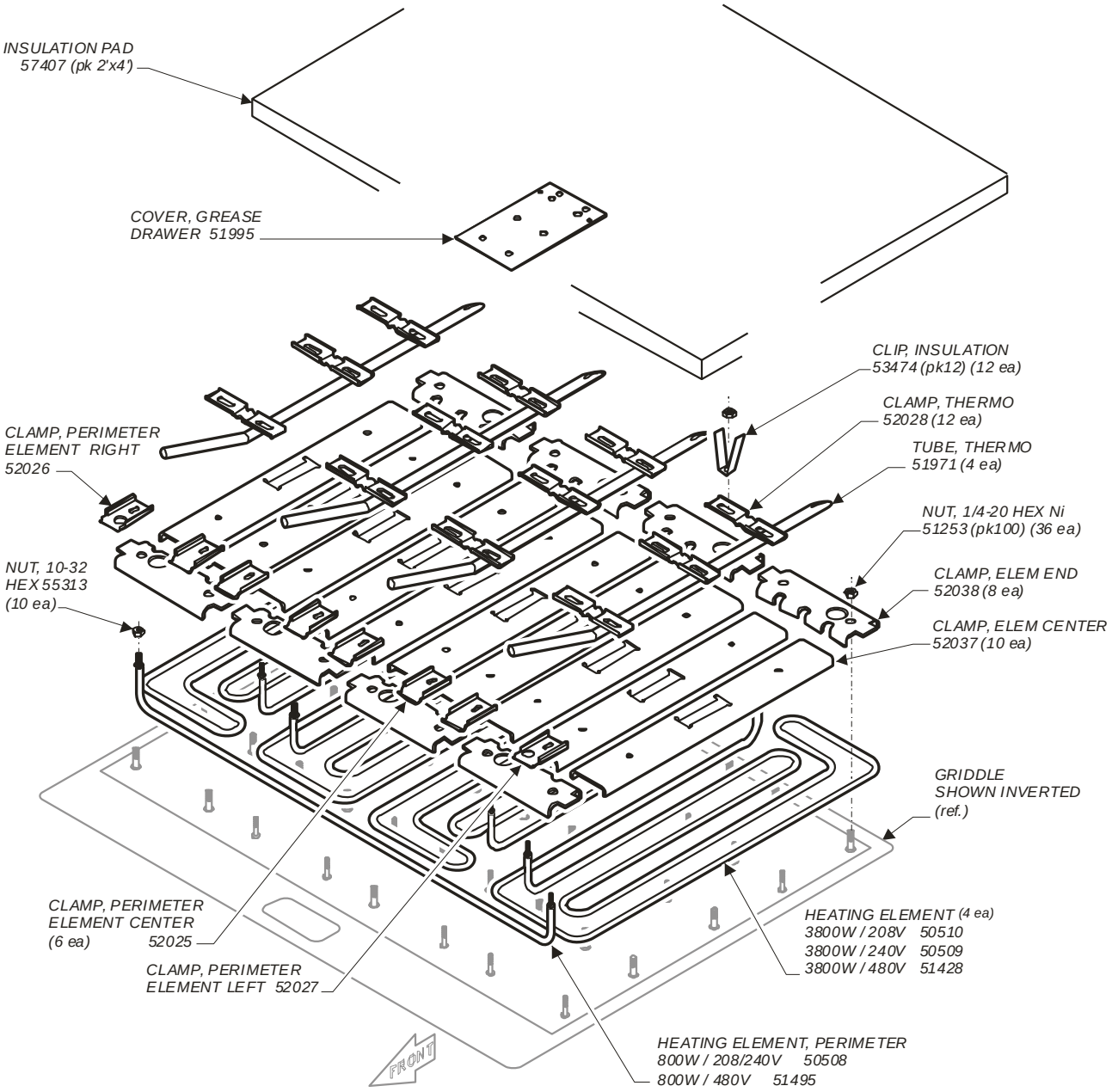


COUNTERTOP GRIDDLE G-23 CABINET & ELECTRICAL

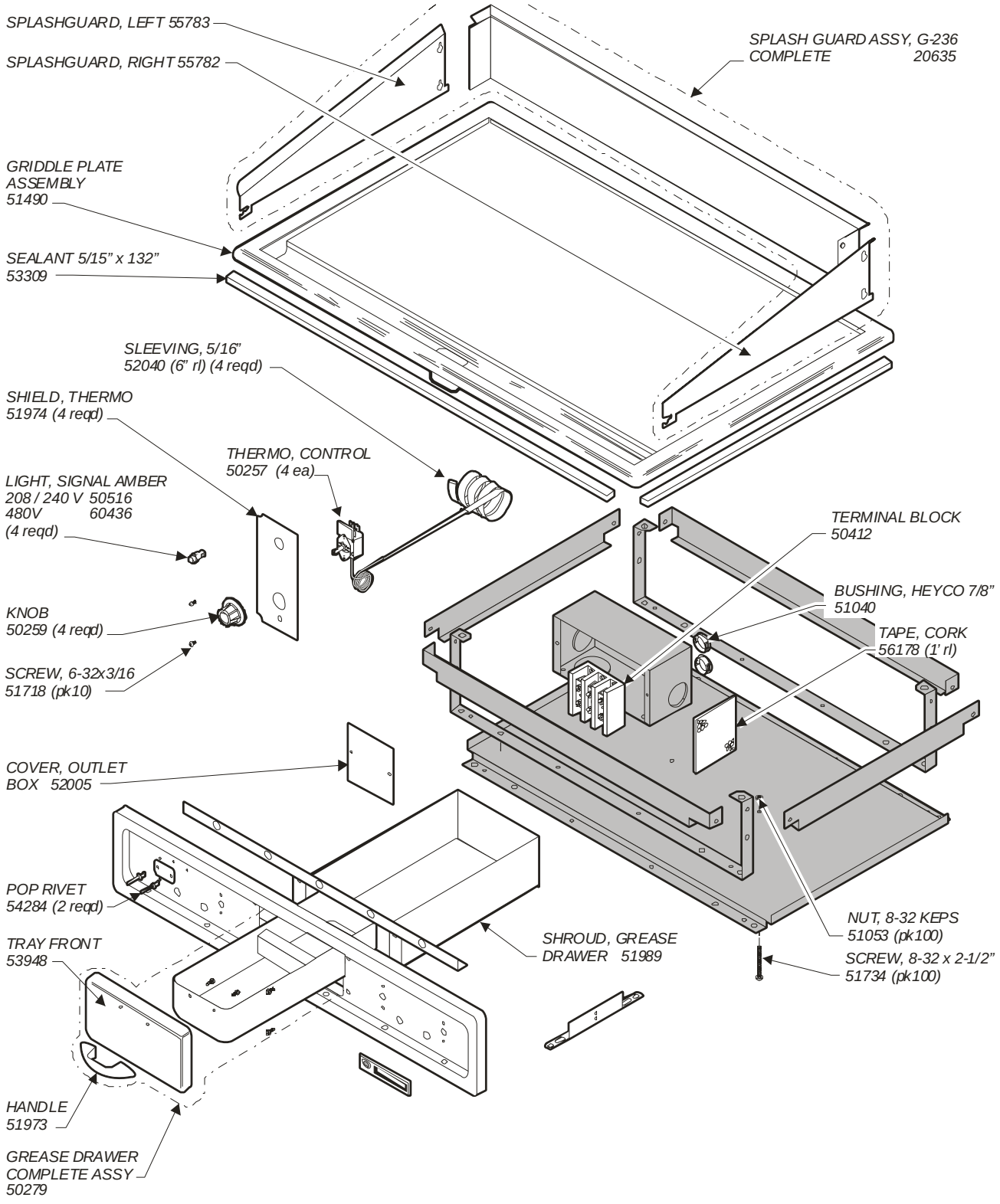

SPLASHGUARD, LEFT 55783
SPLASHGUARD, REAR 54436
SPLASHGUARD, RIGHT 55782
GRIDDLE PLATE ASSEMBLY 55666
SPLASH GUARD ASSY, G-23 COMPLETE 20635
SHIELD, THERMO 51974 (4 ea)
SLEEVING, 5/16 52040 (pk 6ft) (4 ea)
THERMO, CONTROL 50257 (4 ea)
LIGHT, SIGNAL AMBER 208 / 240 V 50516 480V 60436 (4 ea)
TRIM RING 50256 (4 ea)
KNOB 50259 (4 ea)
SCREW, 8-32x3/8 54285 (pk50) (6 ea)
TERMINAL BLOCK 3P 115AMP (208/240V) 57465 3P 75A (480V) 50412
BUSHING, HEYCO 51040 (2 ea)
NUT, KEPS GREEN 55736 (pk10)
NUT, ALUM 7/8 LONG 61974 (pk10) (2ea)
DOMED LABEL 53848
SHROUD, GREASE DRAWER 51989
TRAY FRONT 53948
HANDLE 51973
GREASE DRAWER COMPLETE ASSY 50279
SCREW 6ABx5/16 53935 (pk100) (15 ea)
POP RIVET 54284 (2 ea)
BASE, SHELL ASSY 51487
FEET, 4" ADJUSTABLE (pk4) 20314 (GRAY PLASTIC) 20563 (METAL)

EXPLODED VIEWS & SERVICE PARTS (continued)

COUNTERTOP GRIDDLE G-236 GRIDDLE TOP ASSEMBLY

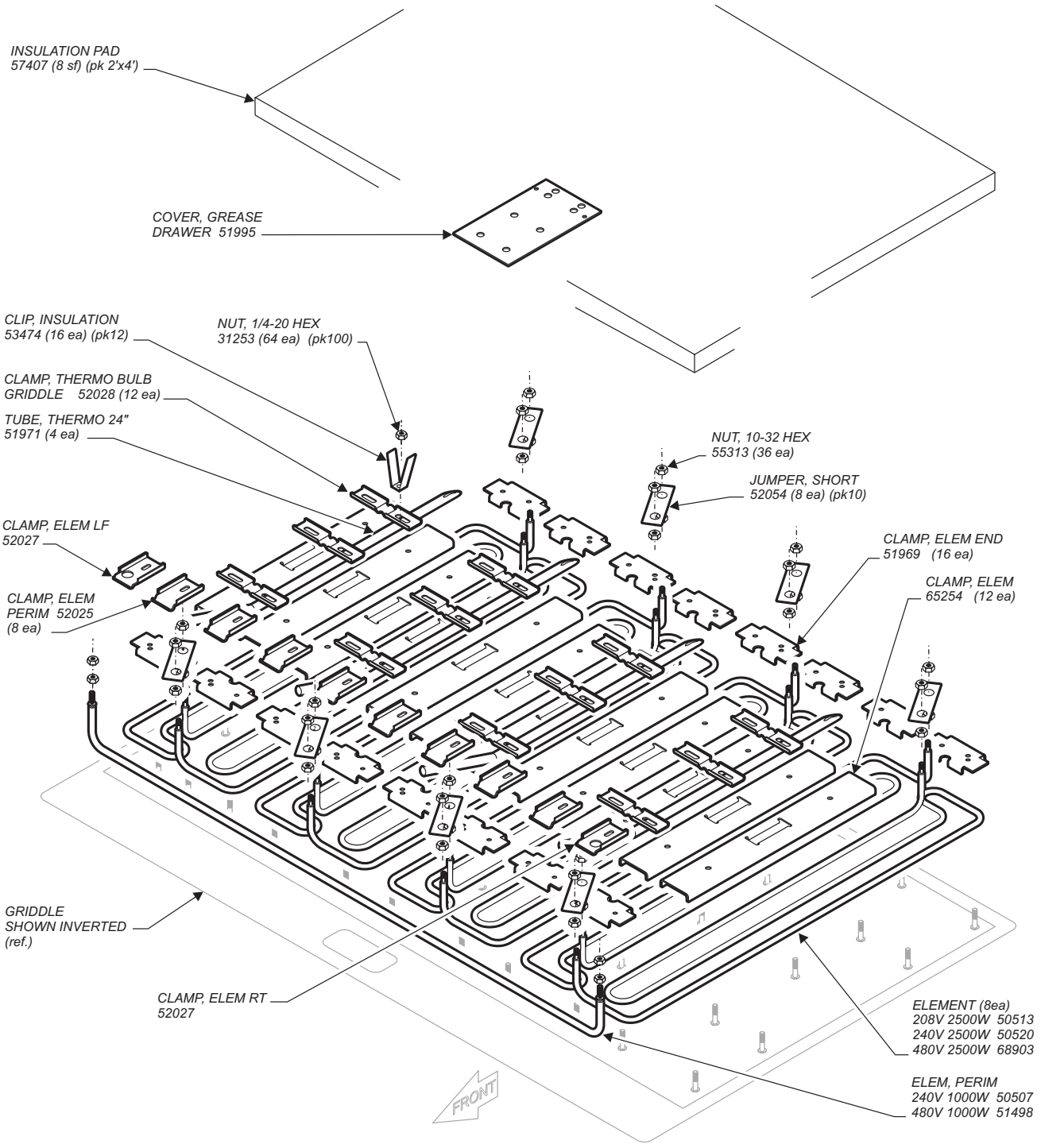


COUNTERTOP GRIDDLE G-236 CABINET & ELECTRICAL

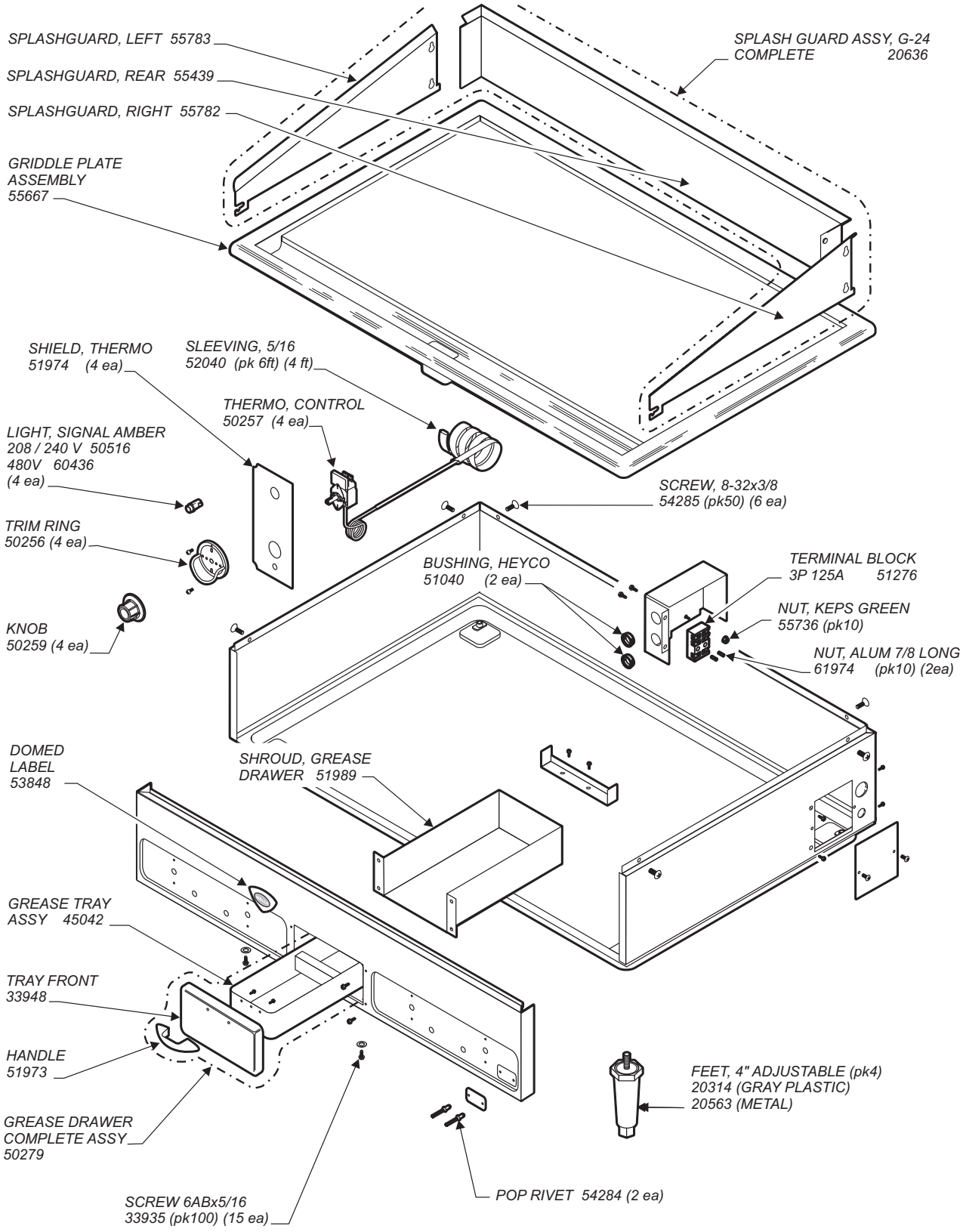

SPLASHGUARD, LEFT 55783
SPLASHGUARD, RIGHT 55782
SPLASH GUARD ASSY, G-236 COMPLETE 20635
GRIDDLE PLATE ASSEMBLY 51490
SEALANT 5/15" x 132" 53309
SLEEVING, 5/16" 52040 (6" rl) (4 reqd)
SHIELD, THERMO 51974 (4 reqd)
THERMO, CONTROL 50257 (4 ea)
LIGHT, SIGNAL AMBER 208 / 240 V 50516 480V 60436 (4 reqd)
TERMINAL BLOCK 50412
BUSHING, HEYCO 7/8" 51040
TAPE, CORK 56178 (1' rl)
KNOB 50259 (4 reqd)
SCREW, 6-32x3/16 51718 (pk10)
COVER, OUTLET BOX 52005
POP RIVET 54284 (2 reqd)
TRAY FRONT 53948
SHROUD, GREASE DRAWER 51989
NUT, 8-32 KEPS 51053 (pk100)
SCREW, 8-32 x 2-1/2" 51734 (pk100)
HANDLE 51973
GREASE DRAWER COMPLETE ASSY 50279

EXPLODED VIEWS & SERVICE PARTS (continued)

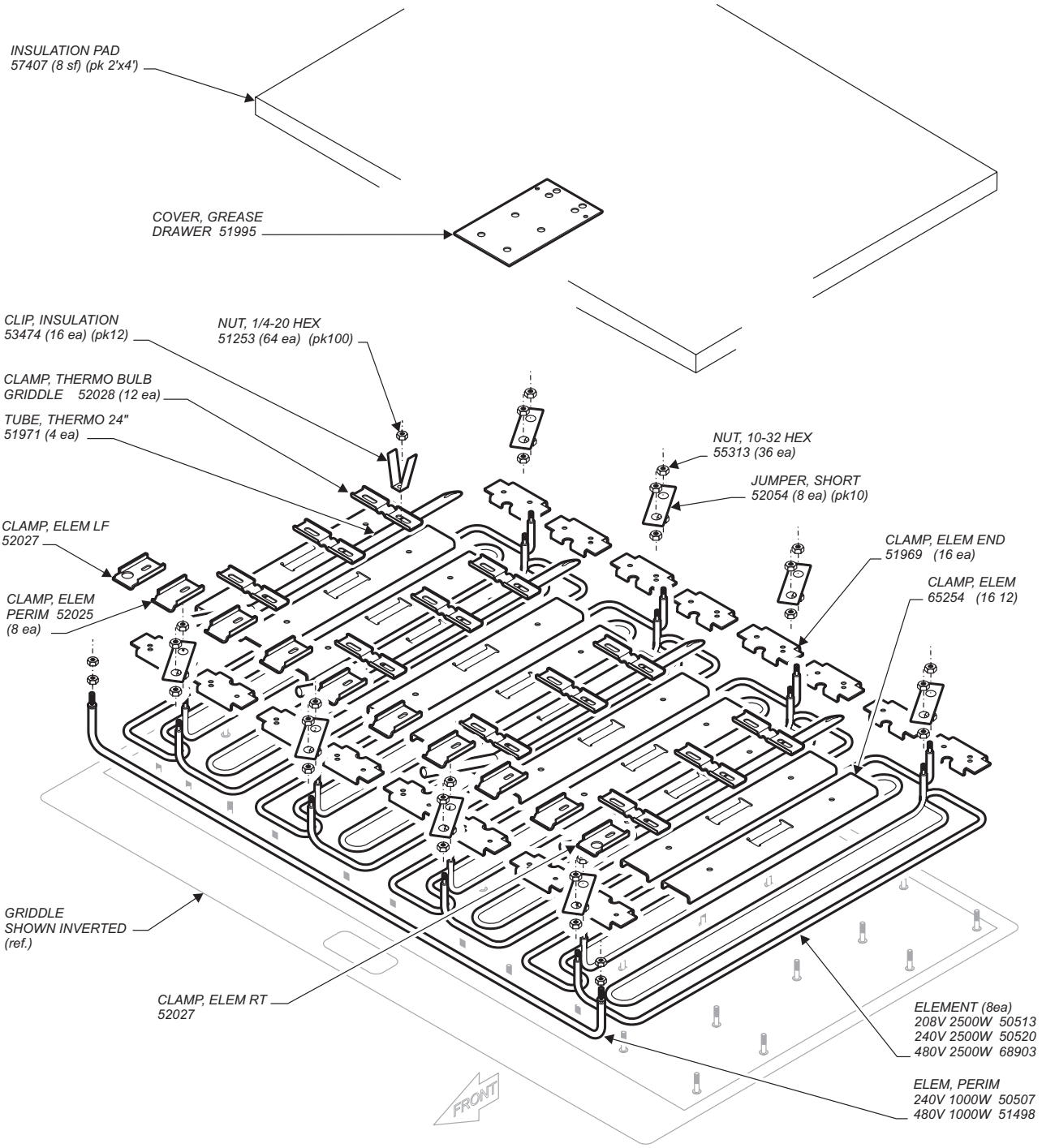
COUNTERTOP GRIDDLE G-24 GRIDDLE TOP ASSEMBLY



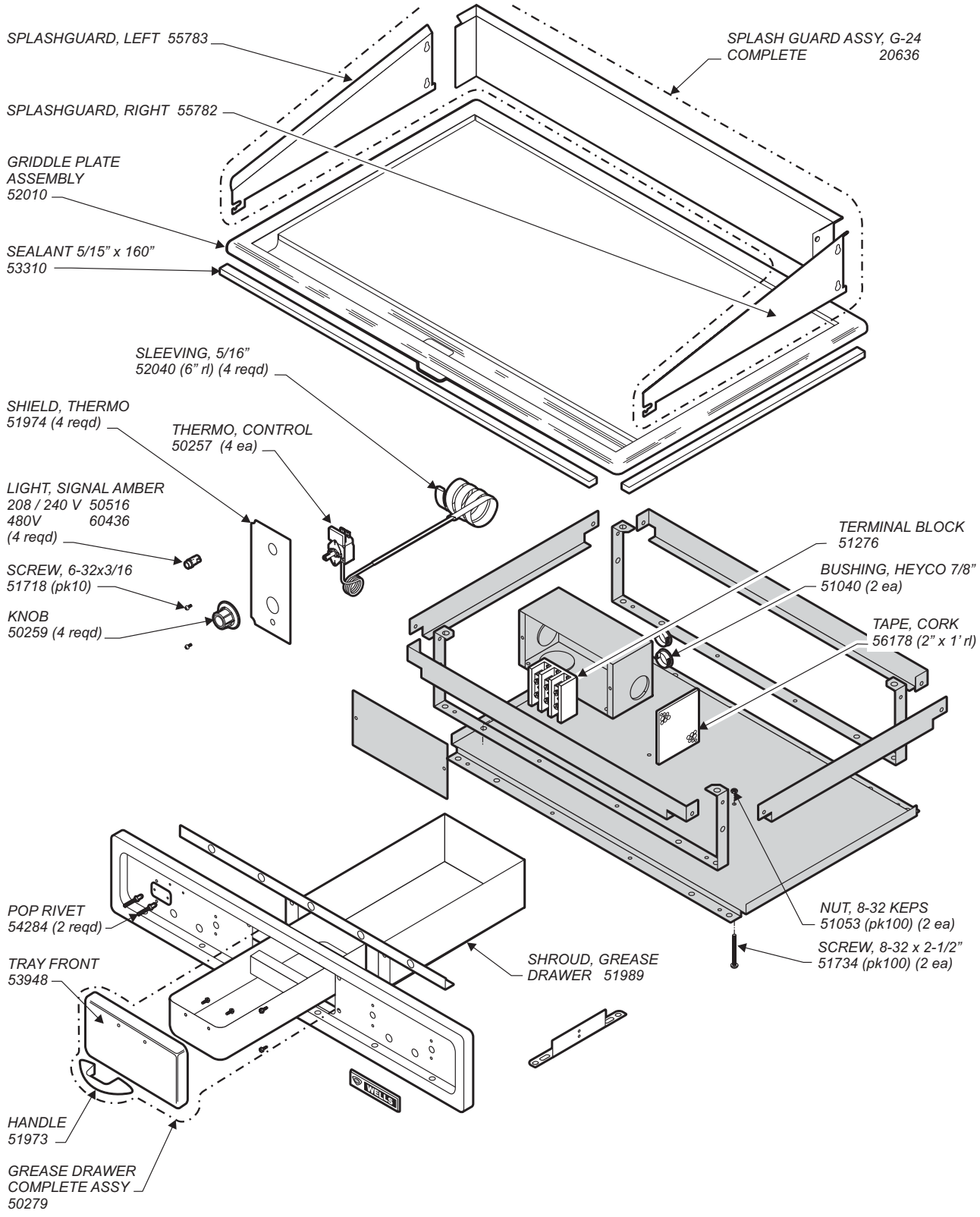
COUNTERTOP GRIDDLE G-24 CABINET & ELECTRICAL


SPLASHGUARD, LEFT 55783
SPLASHGUARD, REAR 55439
SPLASHGUARD, RIGHT 55782
SPLASH GUARD ASSY, G-24 COMPLETE 20636
GRIDDLE PLATE ASSEMBLY 55667
SHIELD, THERMO 51974 (4 ea)
SLEEVING, 5/16 52040 (pk 6ft) (4 ft)
THERMO, CONTROL 50257 (4 ea)
LIGHT, SIGNAL AMBER 208 / 240 V 50516 480V 60436 (4 ea)
SCREW, 8-32x3/8 54285 (pk50) (6 ea)
TRIM RING 50256 (4 ea)
BUSHING, HEYCO 51040 (2 ea)
TERMINAL BLOCK 3P 125A 51276
NUT, KEPS GREEN 55736 (pk10)
KNOB 50259 (4 ea)
NUT, ALUM 7/8 LONG 61974 (pk10) (2ea)
DOMED LABEL 53848
SHROUD, GREASE DRAWER 51989
GREASE TRAY ASSY 45042
TRAY FRONT 33948
HANDLE 51973
FEET, 4" ADJUSTABLE (pk4) 20314 (GRAY PLASTIC) 20563 (METAL)
GREASE DRAWER COMPLETE ASSY 50279
SCREW 6ABx5/16 33935 (pk100) (15 ea)
POP RIVET 54284 (2 ea)

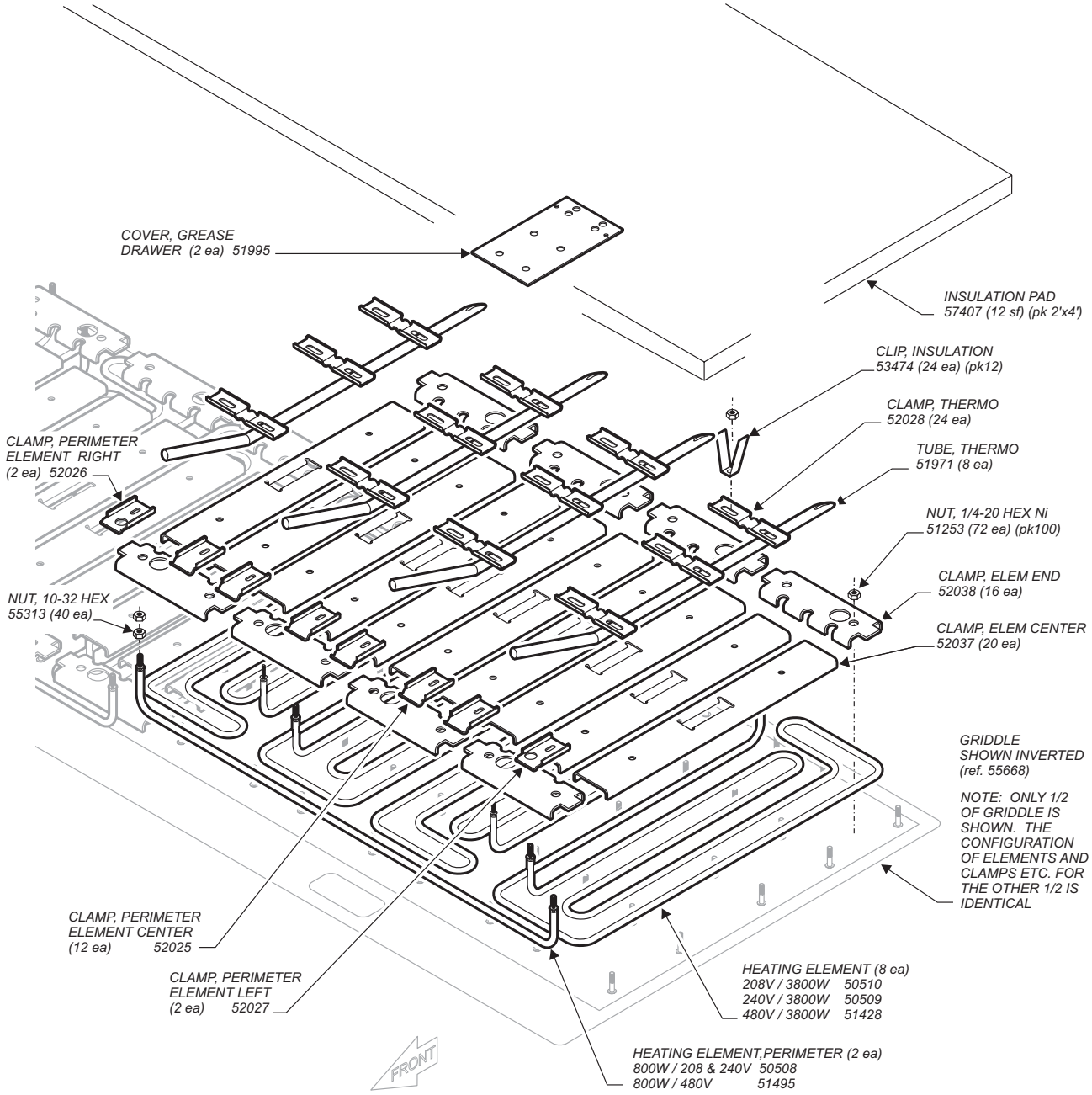
COUNTERTOP GRIDDLE G-246 GRIDDLE TOP ASSEMBLY



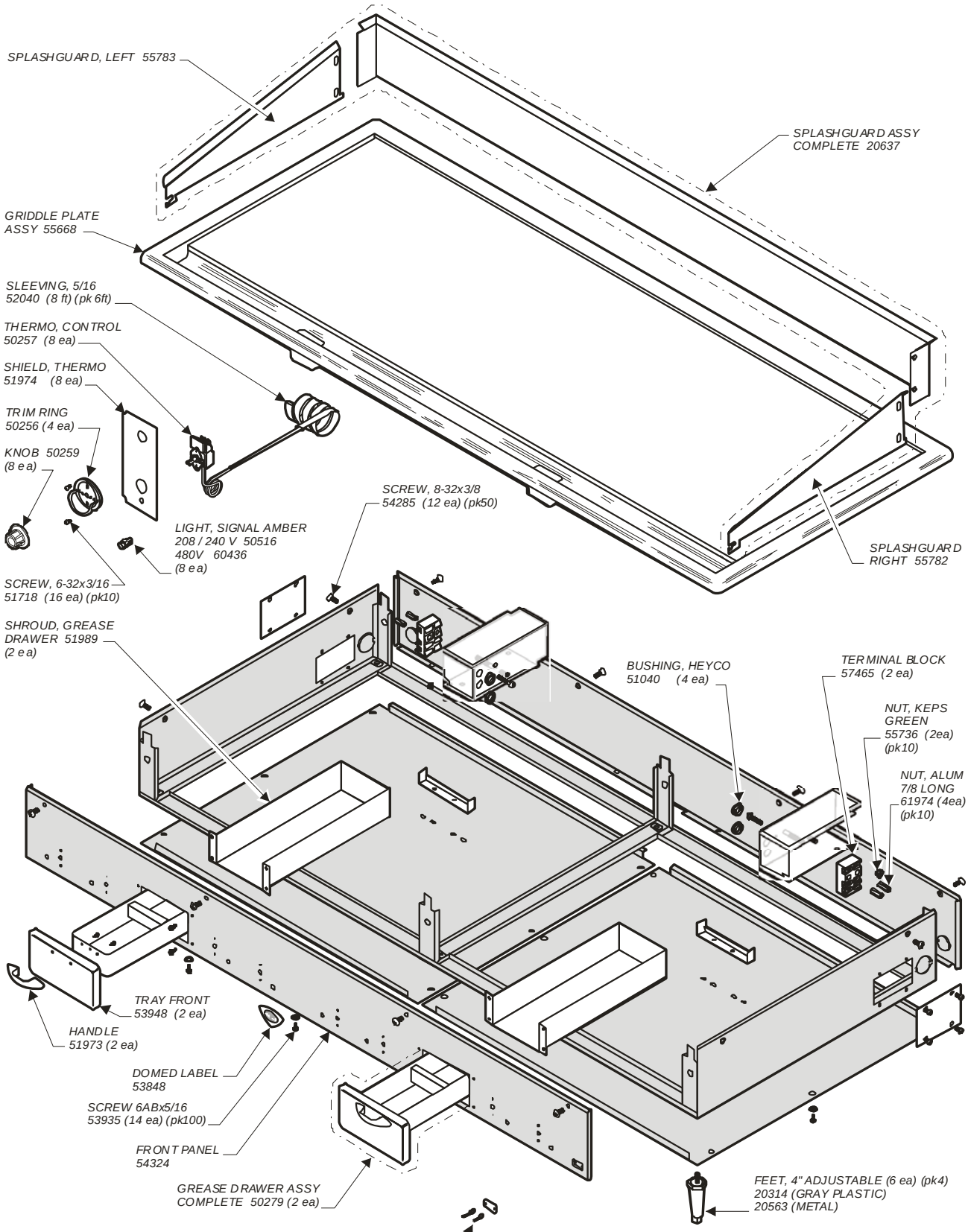
COUNTERTOP GRIDDLE G-246 CABINET & ELECTRICAL


SPLASHGUARD, LEFT 55783
SPLASHGUARD, RIGHT 55782
GRIDDLE PLATE ASSEMBLY 52010
SEALANT 5/15" x 160" 53310
SPLASH GUARD ASSY, G-24 COMPLETE 20636
SLEEVING, 5/16" 52040 (6" rl) (4 reqd)
SHIELD, THERMO 51974 (4 reqd)
THERMO, CONTROL 50257 (4 ea)
LIGHT, SIGNAL AMBER 208 / 240 V 50516 480V 60436 (4 reqd)
SCREW, 6-32x3/16 51718 (pk10)
KNOB 50259 (4 reqd)
TERMINAL BLOCK 51276
BUSHING, HEYCO 7/8" 51040 (2 ea)
TAPE, CORK 56178 (2" x 1' rl)
NUT, 8-32 KEPS 51053 (pk100) (2 ea)
SCREW, 8-32 x 2-1/2" 51734 (pk100) (2 ea)
POP RIVET 54284 (2 reqd)
TRAY FRONT 53948
SHROUD, GREASE DRAWER 51989
HANDLE 51973
GREASE DRAWER COMPLETE ASSY 50279

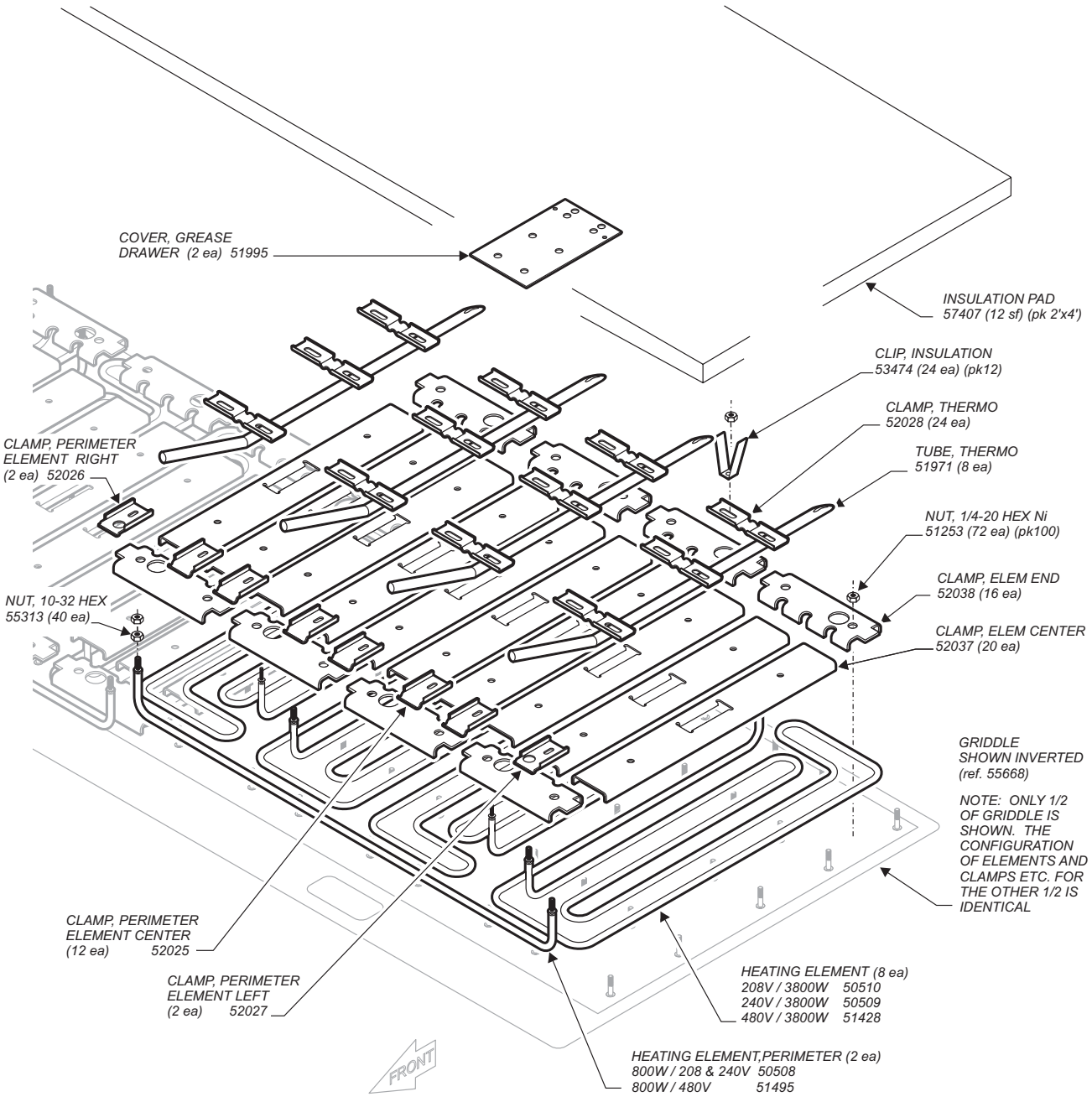
COUNTERTOP GRIDDLE G-60 GRIDDLE TOP ASSEMBLY


COVER, GREASE DRAWER (2 ea) 51995
INSULATION PAD 57407 (12 sf) (pk 2'x4')
CLIP, INSULATION 53474 (24 ea) (pk12)
CLAMP, THERMO 52028 (24 ea)
TUBE, THERMO 51971 (8 ea)
CLAMP, PERIMETER ELEMENT RIGHT (2 ea) 52026
NUT, 1/4-20 HEX Ni 51253 (72 ea) (pk100)
CLAMP, ELEM END 52038 (16 ea)
NUT, 10-32 HEX 55313 (40 ea)
CLAMP, ELEM CENTER 52037 (20 ea)
GRIDDLE SHOWN INVERTED (ref. 55668)
NOTE: ONLY 1/2 OF GRIDDLE IS SHOWN. THE CONFIGURATION OF ELEMENTS AND CLAMPS ETC. FOR THE OTHER 1/2 IS IDENTICAL
CLAMP, PERIMETER ELEMENT CENTER (12 ea) 52025
CLAMP, PERIMETER ELEMENT LEFT (2 ea) 52027
HEATING ELEMENT (8 ea)
208V / 3800W 50510
240V / 3800W 50509
480V / 3800W 51428
HEATING ELEMENT,PERIMETER (2 ea)
800W / 208 & 240V 50508
800W / 480V 51495
FRONT

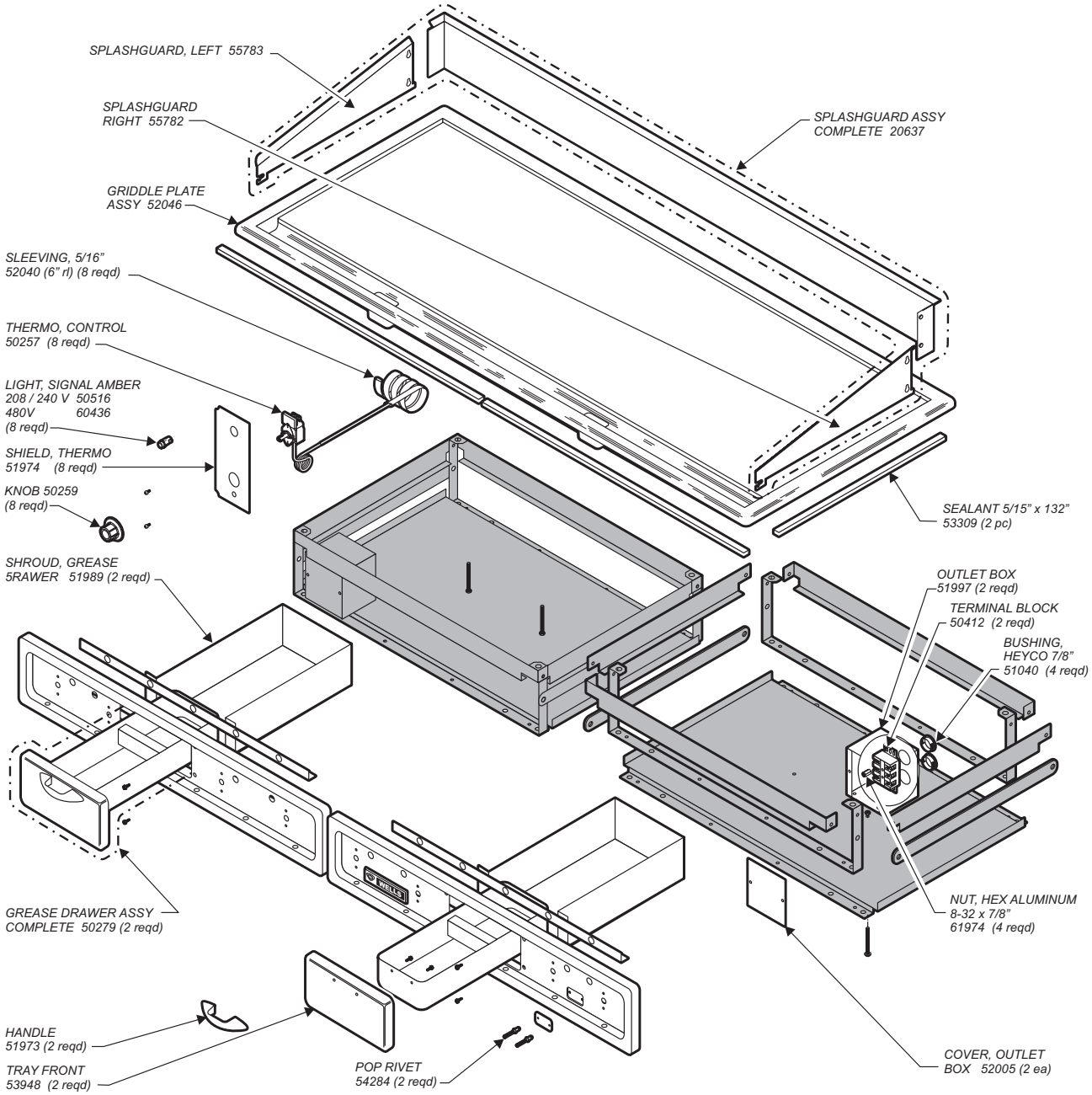
COUNTERTOP GRIDDLE G-60 CABINET & ELECTRICAL


SPLASHGUARD, LEFT 55783
SPLASHGUARD ASSY COMPLETE 20637
GRIDDLE PLATE ASSY 55668
SLEEVING, 5/16 52040 (8 ft) (pk 6ft)
THERMO, CONTROL 50257 (8 ea)
SHIELD, THERMO 51974 (8 ea)
TRIM RING 50256 (4 ea)
KNOB 50259 (8 ea)
LIGHT, SIGNAL AMBER 208 / 240 V 50516 480V 60436 (8 ea)
SCREW, 8-32x3/8 54285 (12 ea) (pk50)
SPLASHGUARD RIGHT 55782
SCREW, 6-32x3/16 51718 (16 ea) (pk10)
SHROUD, GREASE DRAWER 51989 (2 ea)
BUSHING, HEYCO 51040 (4 ea)
TERMINAL BLOCK 57465 (2 ea)
NUT, KEPS GREEN 55736 (2ea) (pk10)
NUT, ALUM 7/8 LONG 61974 (4ea) (pk10)
TRAY FRONT 53948 (2 ea)
HANDLE 51973 (2 ea)
DOMED LABEL 53848
SCREW 6ABx5/16 53935 (14 ea) (pk100)
FRONT PANEL 54324
GREASE DRAWER ASSY COMPLETE 50279 (2 ea)
FEET, 4" ADJUSTABLE (6 ea) (pk4) 20314 (GRAY PLASTIC) 20563 (METAL)

COUNTERTOP GRIDDLE G-606 GRIDDLE TOP ASSEMBLY

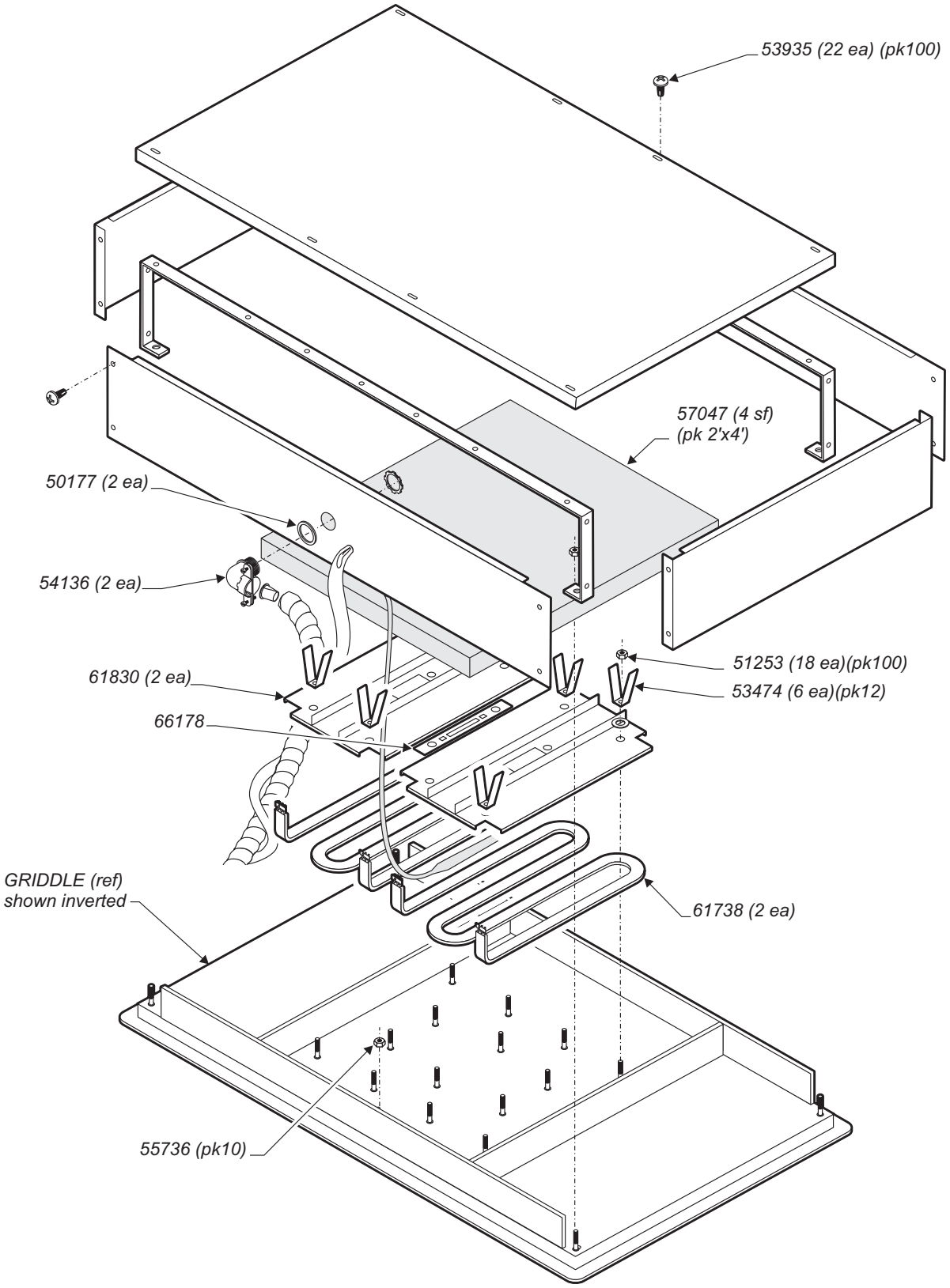

COVER, GREASE DRAWER (2 ea) 51995
INSULATION PAD 57407 (12 sf) (pk 2'x4')
CLIP, INSULATION 53474 (24 ea) (pk12)
CLAMP, THERMO 52028 (24 ea)
TUBE, THERMO 51971 (8 ea)
CLAMP, PERIMETER ELEMENT RIGHT (2 ea) 52026
NUT, 1/4-20 HEX Ni 51253 (72 ea) (pk100)
CLAMP, ELEM END 52038 (16 ea)
NUT, 10-32 HEX 55313 (40 ea)
CLAMP, ELEM CENTER 52037 (20 ea)
GRIDDLE SHOWN INVERTED (ref. 55668)
NOTE: ONLY 1/2 OF GRIDDLE IS SHOWN. THE CONFIGURATION OF ELEMENTS AND CLAMPS ETC. FOR THE OTHER 1/2 IS IDENTICAL
CLAMP, PERIMETER ELEMENT CENTER (12 ea) 52025
CLAMP, PERIMETER ELEMENT LEFT (2 ea) 52027
HEATING ELEMENT (8 ea)
208V / 3800W 50510
240V / 3800W 50509
480V / 3800W 51428
HEATING ELEMENT,PERIMETER (2 ea)
800W / 208 & 240V 50508
800W / 480V 51495
FRONT

COUNTERTOP GRIDDLE G-606 CABINET & ELECTRICAL

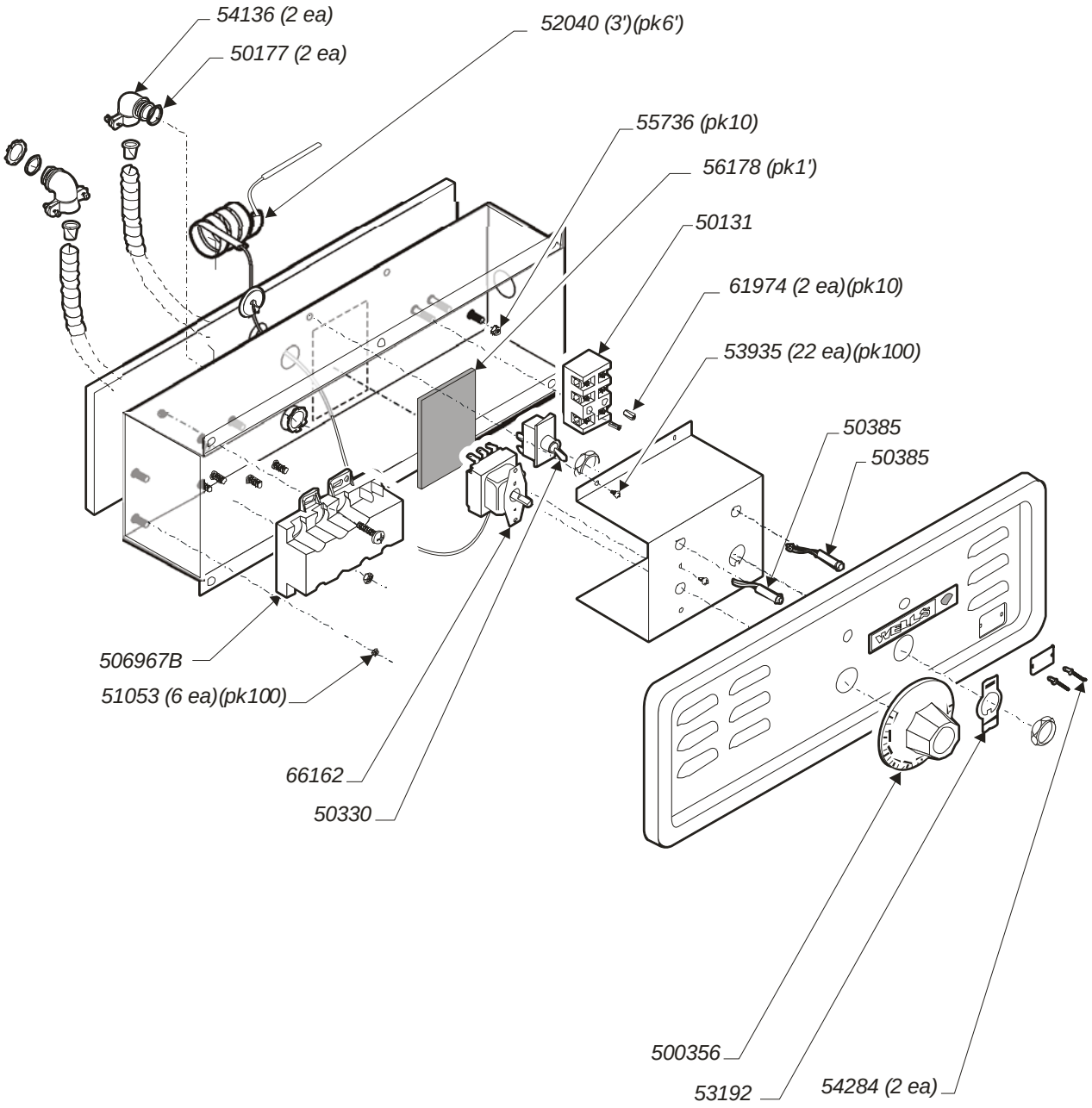

SPLASHGUARD, LEFT 55783
SPLASHGUARD RIGHT 55782
SPLASHGUARD ASSY COMPLETE 20637
GRIDDLE PLATE ASSY 52046
SLEEVING, 5/16" 52040 (6" rl) (8 reqd)
THERMO, CONTROL 50257 (8 reqd)
LIGHT, SIGNAL AMBER 208 / 240 V 50516 480V 60436 (8 reqd)
SHIELD, THERMO 51974 (8 reqd)
KNOB 50259 (8 reqd)
SEALANT 5/15" x 132" 53309 (2 pc)
SHROUD, GREASE 5RAWER 51989 (2 reqd)
OUTLET BOX 51997 (2 reqd)
TERMINAL BLOCK 50412 (2 reqd)
BUSHING, HEYCO 7/8" 51040 (4 reqd)
GREASE DRAWER ASSY COMPLETE 50279 (2 reqd)
NUT, HEX ALUMINUM 8-32 x 7/8" 61974 (4 reqd)
HANDLE 51973 (2 reqd)
TRAY FRONT 53948 (2 reqd)
POP RIVET 54284 (2 reqd)
COVER, OUTLET BOX 52005 (2 ea)

EXPLODED VIEWS & SERVICE PARTS (continued)

COUNTERTOP GRIDDLE JG-246UL GRIDDLE TOP & CABINET ASSEMBLY

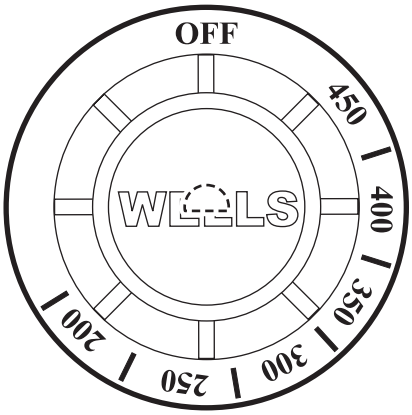


COUNTERTOP GRIDDLE JG-246UL CONTROL BOX ASSEMBLY

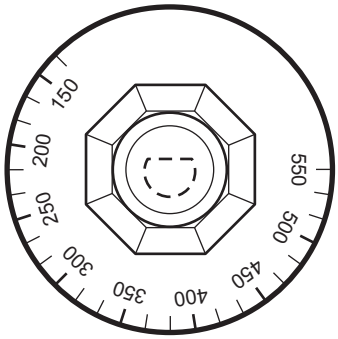


EXPLODED VIEWS & SERVICE PARTS (continued)

The following control knobs are used on Wells griddles:



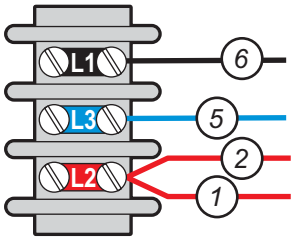
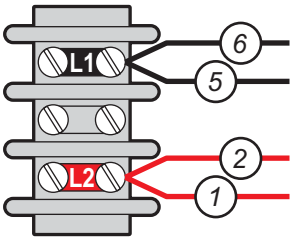
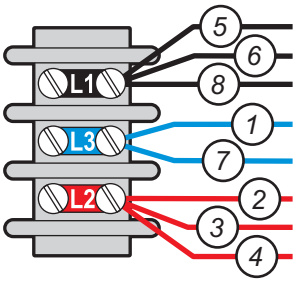
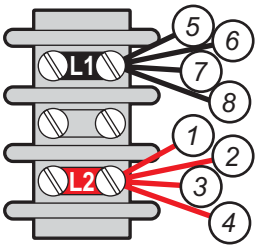
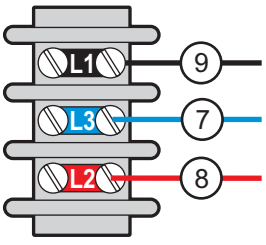
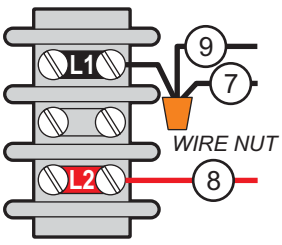
50259
All exc.
JG-246UL



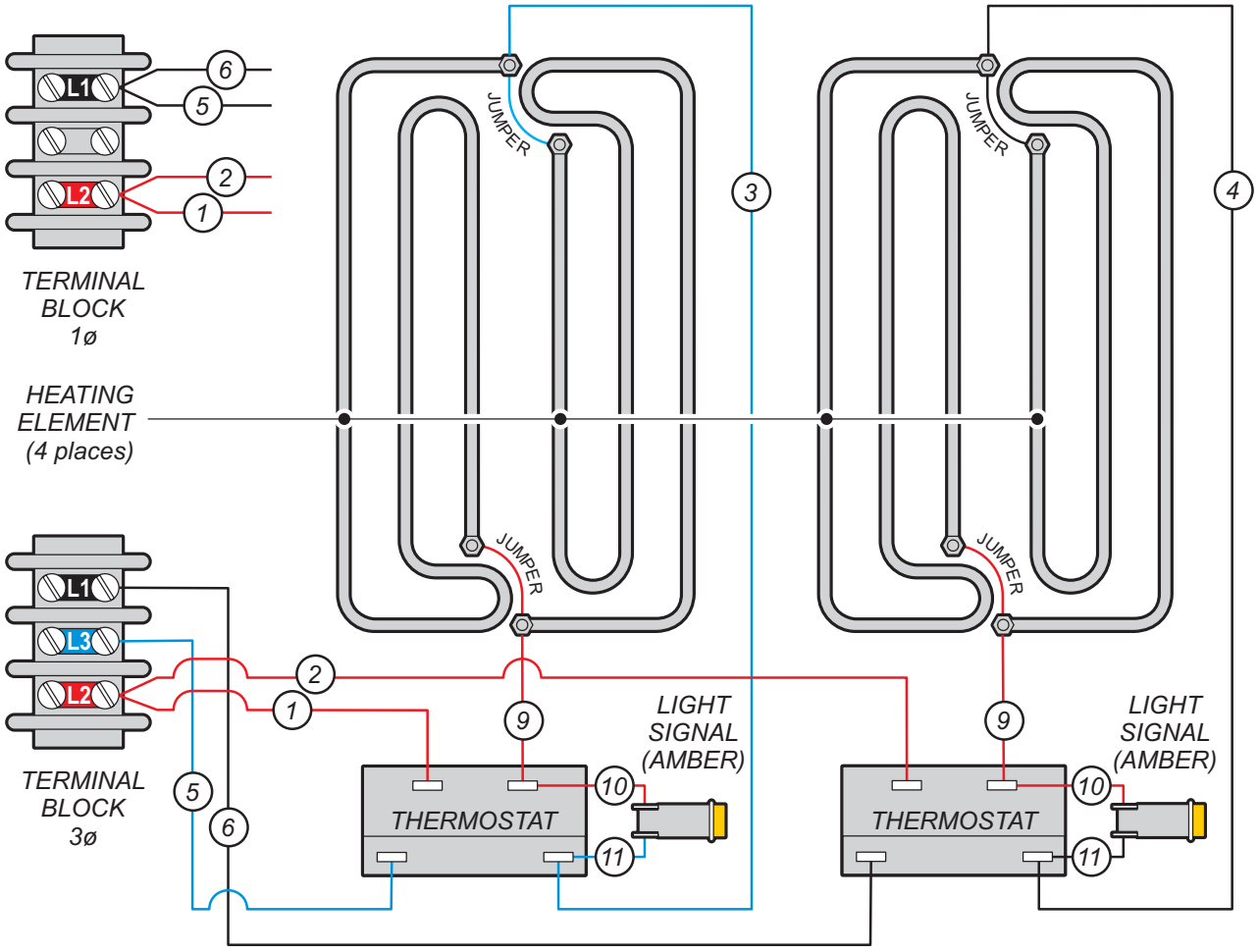
500536
JG-246UL
only

PHASE CONVERSION

NOTE: Units are shipped from the factory wired for 3-phase. Use the appropriate diagram below to convert to single-phase.

MODEL	THREE PHASE	SINGLE PHASE
G-13 G-136 G-19 G-196		
G-23 G-236 G-26 G-246 G-60 G-606		
JG-246UL		

WIRING DIAGRAMS (continued)

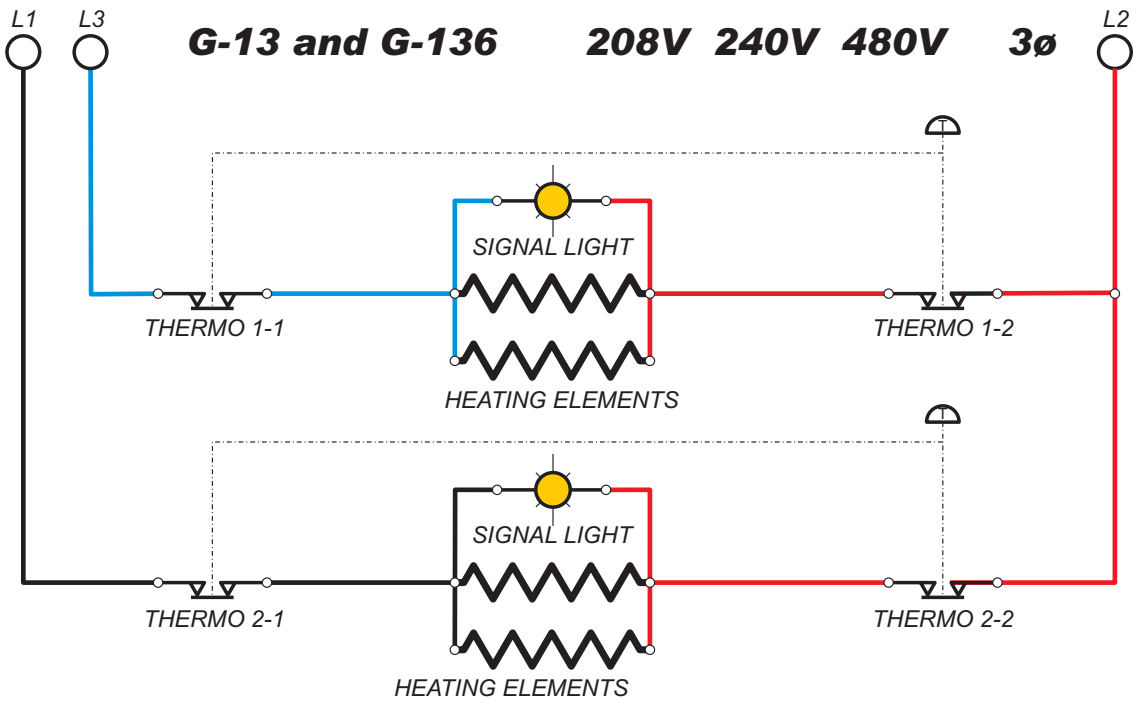


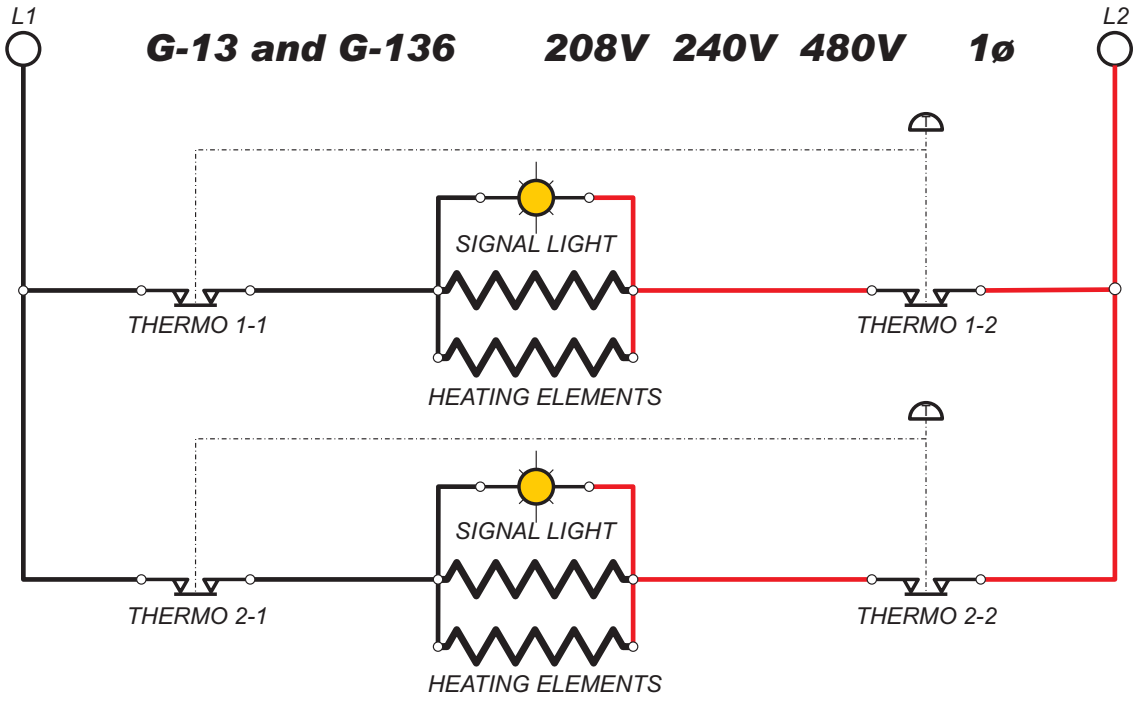
G-13 and G-136

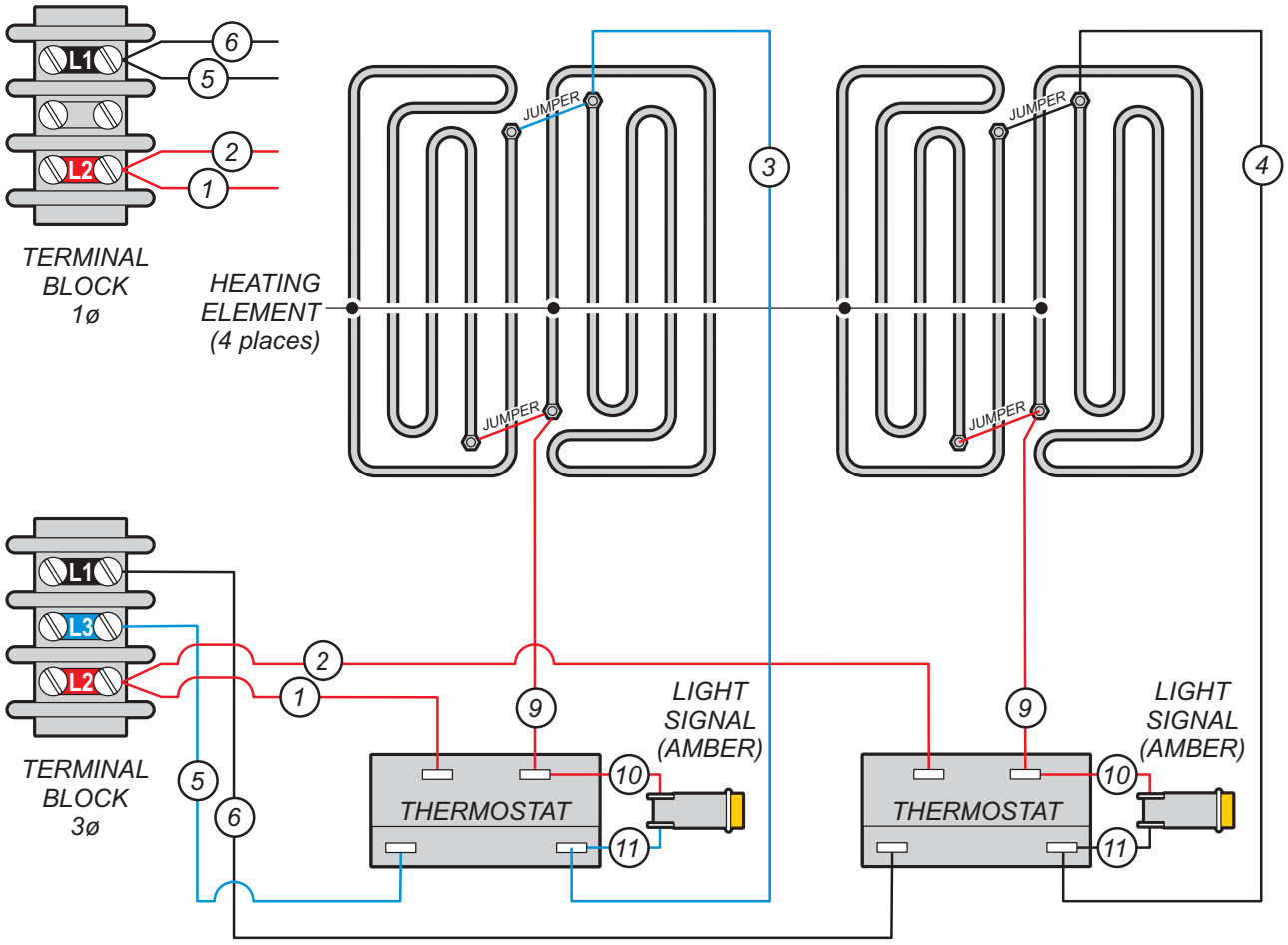
208V 240V 480V

VOLTS	KW	NOMINAL AMPS PER LINE			
		AMPS 3ø			AMPS 1ø
		L1	L2	L3	
208	6.8	14.0	28.1	14.0	32.5
240	9.0	18.7	32.5	18.7	37.5
480	9.0	9.4	16.2	9.4	18.7

p/n 48929 issue C


L1
L3
G-13 and G-136
208V 240V 480V
3ø
L2
SIGNAL LIGHT
THERMO 1-1
THERMO 1-2
HEATING ELEMENTS
SIGNAL LIGHT
THERMO 2-1
THERMO 2-2
HEATING ELEMENTS

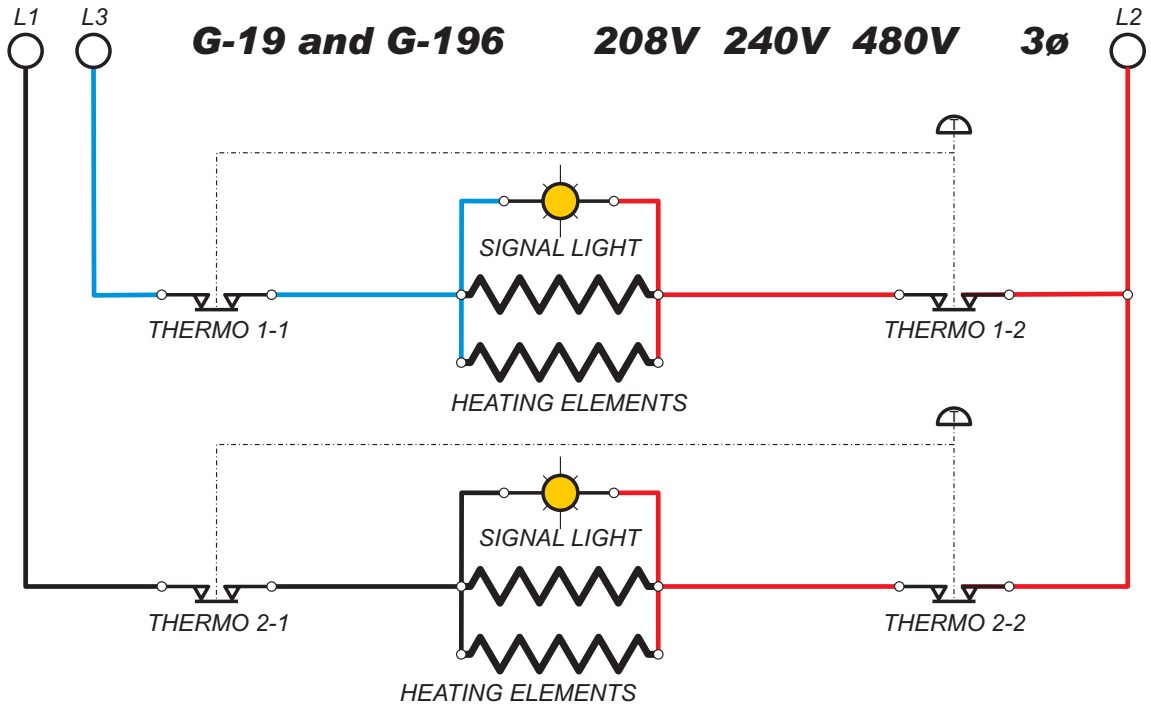

L1
G-13 and G-136
208V 240V 480V
1ø
L2
SIGNAL LIGHT
THERMO 1-1
THERMO 1-2
HEATING ELEMENTS
SIGNAL LIGHT
THERMO 2-1
THERMO 2-2
HEATING ELEMENTS

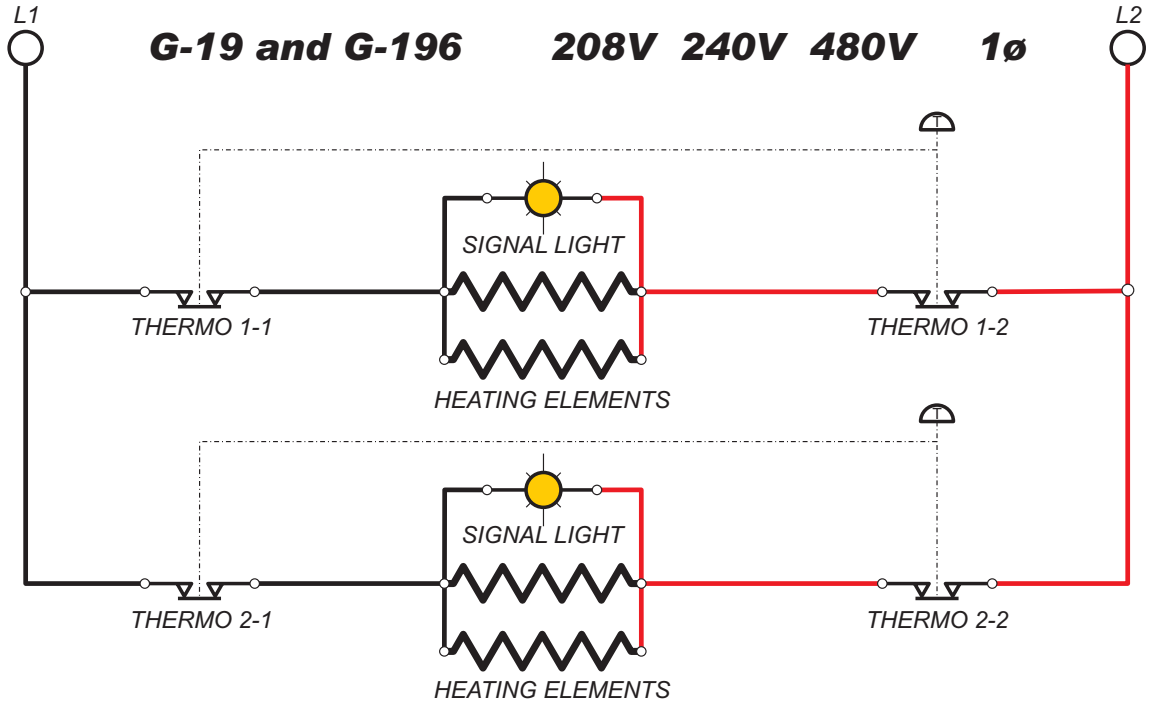


G-19 and G-196
208V 240V 480V

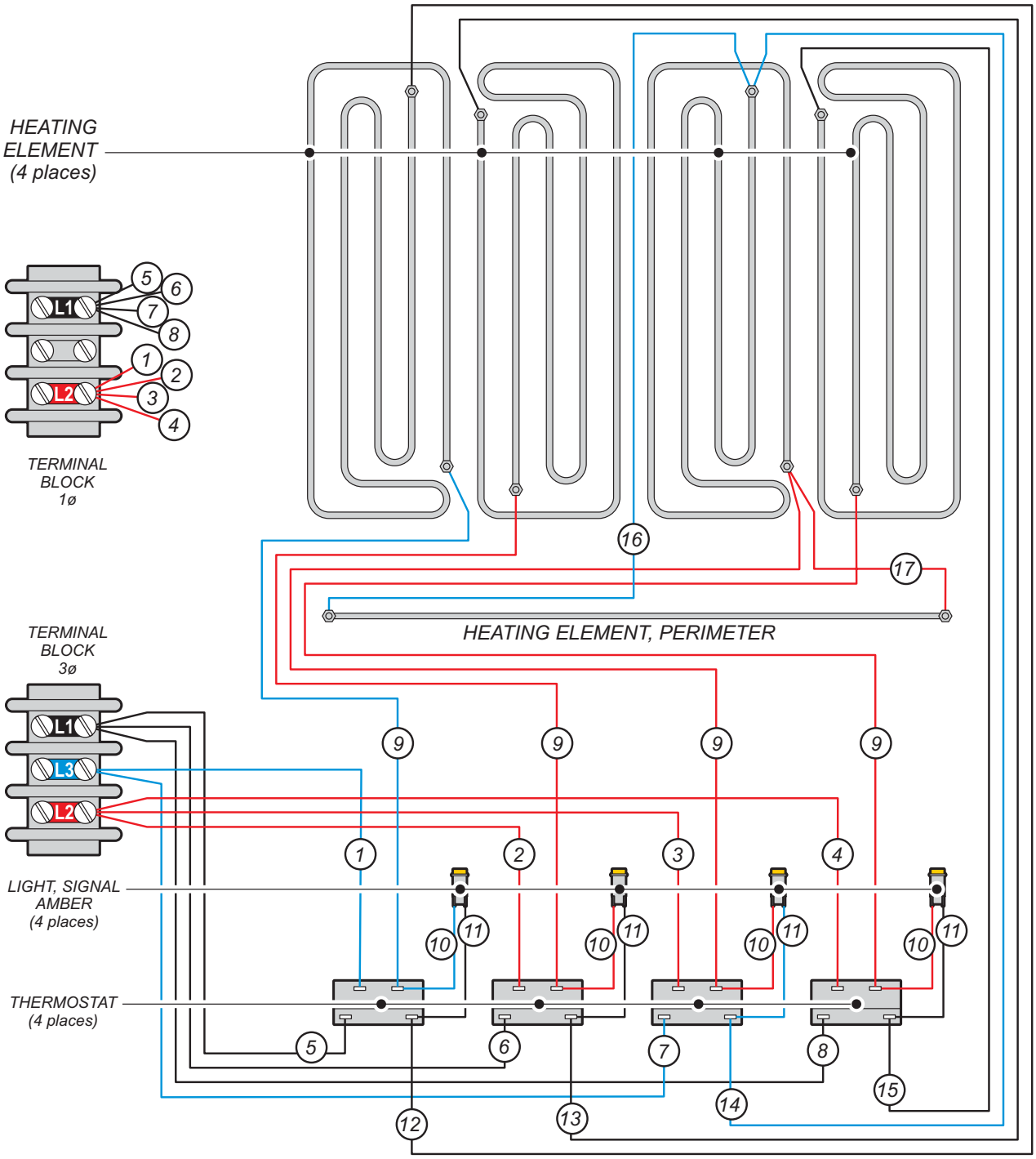
VOLTS	KW	NOMINAL AMPS PER LINE			
		AMPS 3ø			AMPS 1ø
		L1	L2	L3	
208	12.0	28.8	49.9	28.8	57.6
240	12.0	25.0	43.3	25.0	50.0
480	12.0	12.5	21.6	12.5	25.0

p/n 31274 issue E


L1
L3
G-19 and G-196
208V 240V 480V
3ø
L2
SIGNAL LIGHT
THERMO 1-1
THERMO 1-2
HEATING ELEMENTS
SIGNAL LIGHT
THERMO 2-1
THERMO 2-2
HEATING ELEMENTS


L1
G-19 and G-196
208V 240V 480V
1ø
L2
SIGNAL LIGHT
THERMO 1-1
THERMO 1-2
HEATING ELEMENTS
SIGNAL LIGHT
THERMO 2-1
THERMO 2-2
HEATING ELEMENTS

WIRING DIAGRAMS (continued)

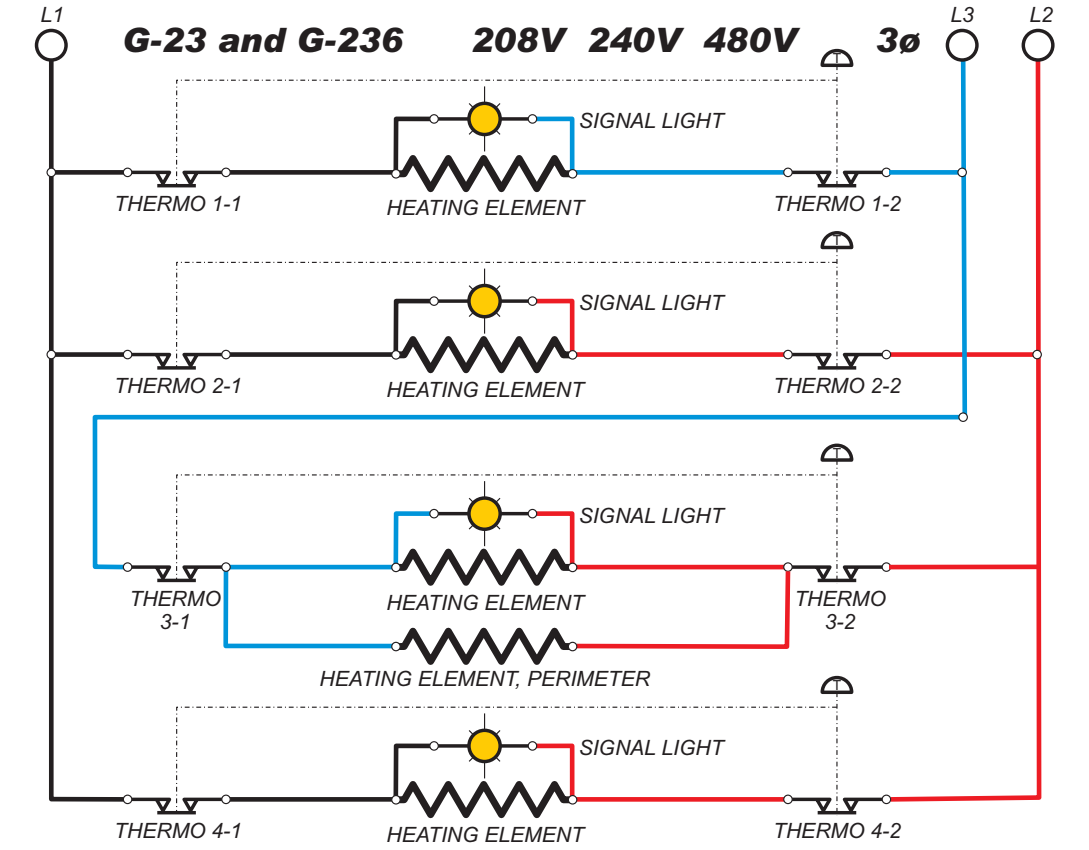


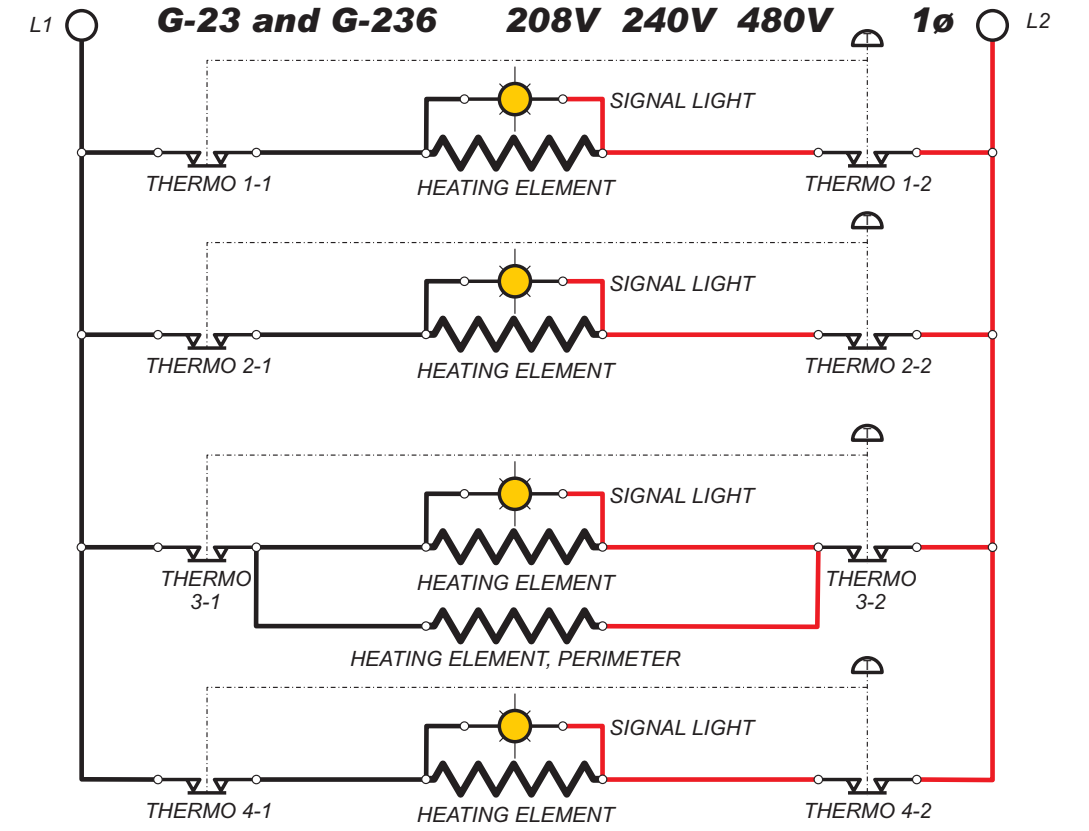
G-23 and G-236

208V 240V 480V

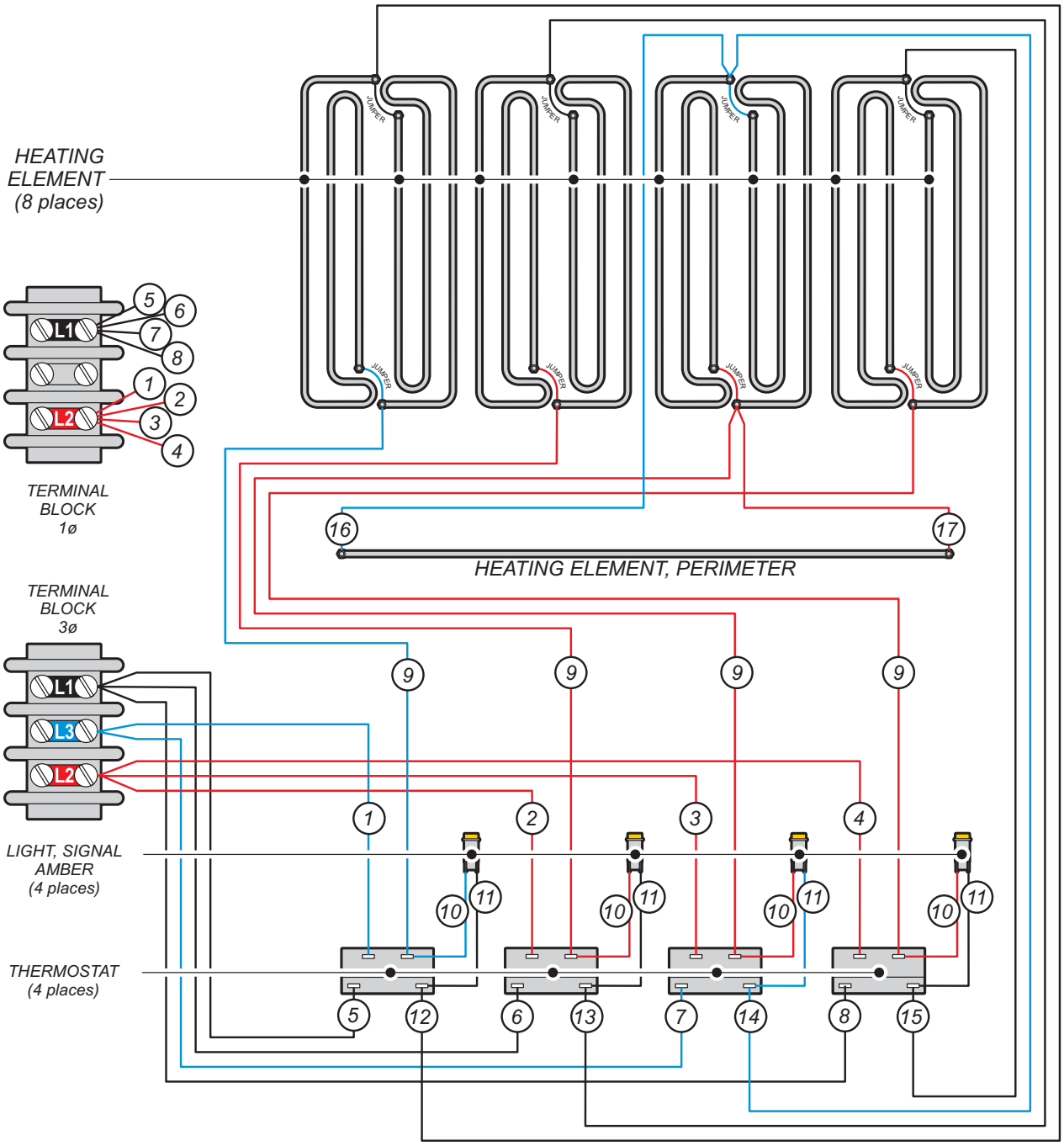
VOLTS	KW	NOMINAL AMPS PER LINE			
		AMPS 3ø			AMPS 1ø
		L1	L2	L3	
208	16.0	48.3	51.3	35.0	76.9
240	16.0	41.7	30.4	30.4	66.6
480	16.0	20.9	22.2	15.5	33.3

p/n 31275 issue C


L1
G-23 and G-236 208V 240V 480V 3ø
L3
L2
SIGNAL LIGHT
THERMO 1-1
HEATING ELEMENT
THERMO 1-2
SIGNAL LIGHT
THERMO 2-1
HEATING ELEMENT
THERMO 2-2
SIGNAL LIGHT
THERMO 3-1
HEATING ELEMENT
THERMO 3-2
HEATING ELEMENT, PERIMETER
SIGNAL LIGHT
THERMO 4-1
HEATING ELEMENT
THERMO 4-2


L1
G-23 and G-236 208V 240V 480V 1ø
L2
SIGNAL LIGHT
THERMO 1-1
HEATING ELEMENT
THERMO 1-2
SIGNAL LIGHT
THERMO 2-1
HEATING ELEMENT
THERMO 2-2
SIGNAL LIGHT
THERMO 3-1
HEATING ELEMENT
THERMO 3-2
HEATING ELEMENT, PERIMETER
SIGNAL LIGHT
THERMO 4-1
HEATING ELEMENT
THERMO 4-2

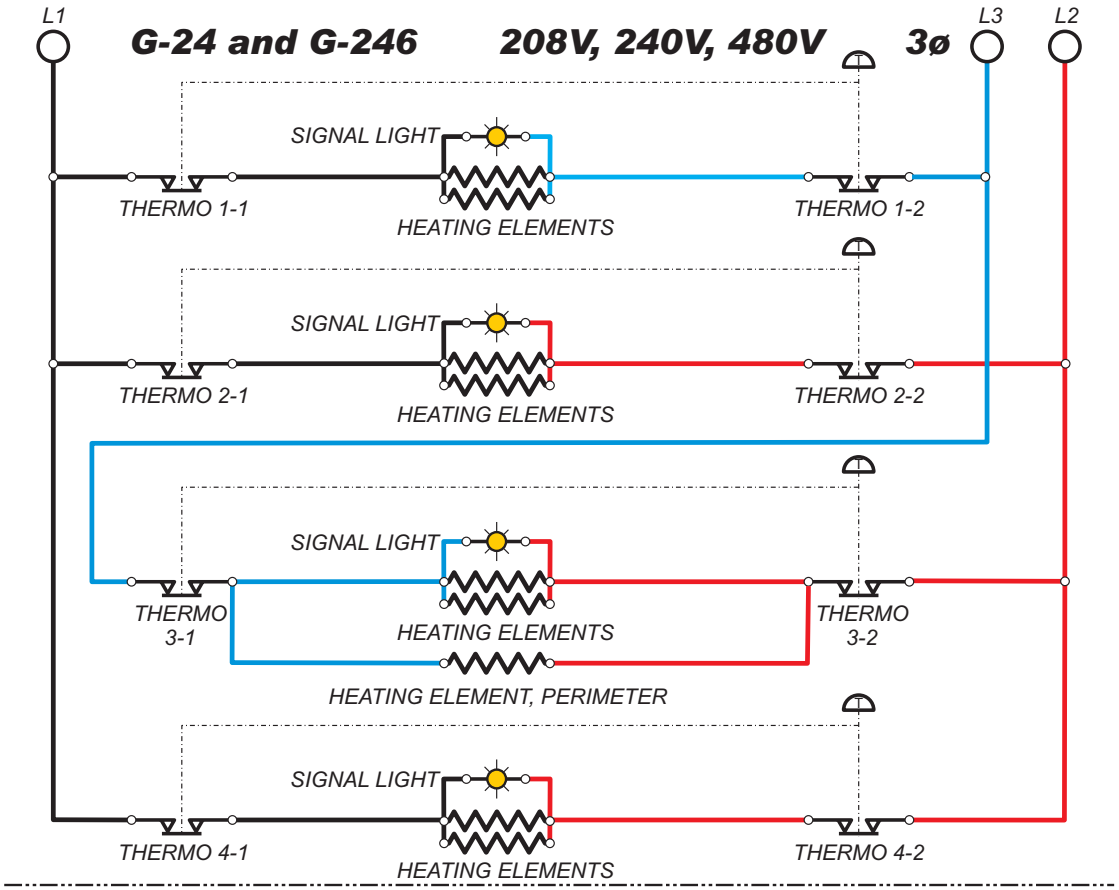
WIRING DIAGRAMS (continued)

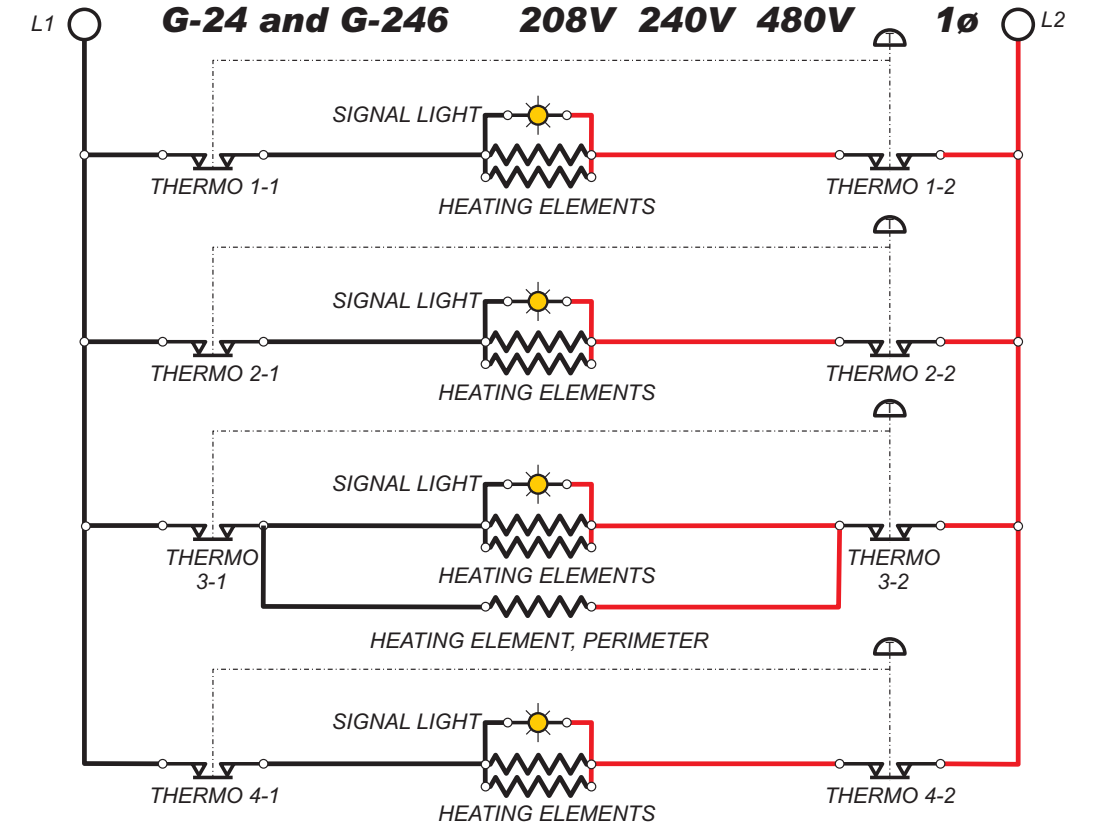


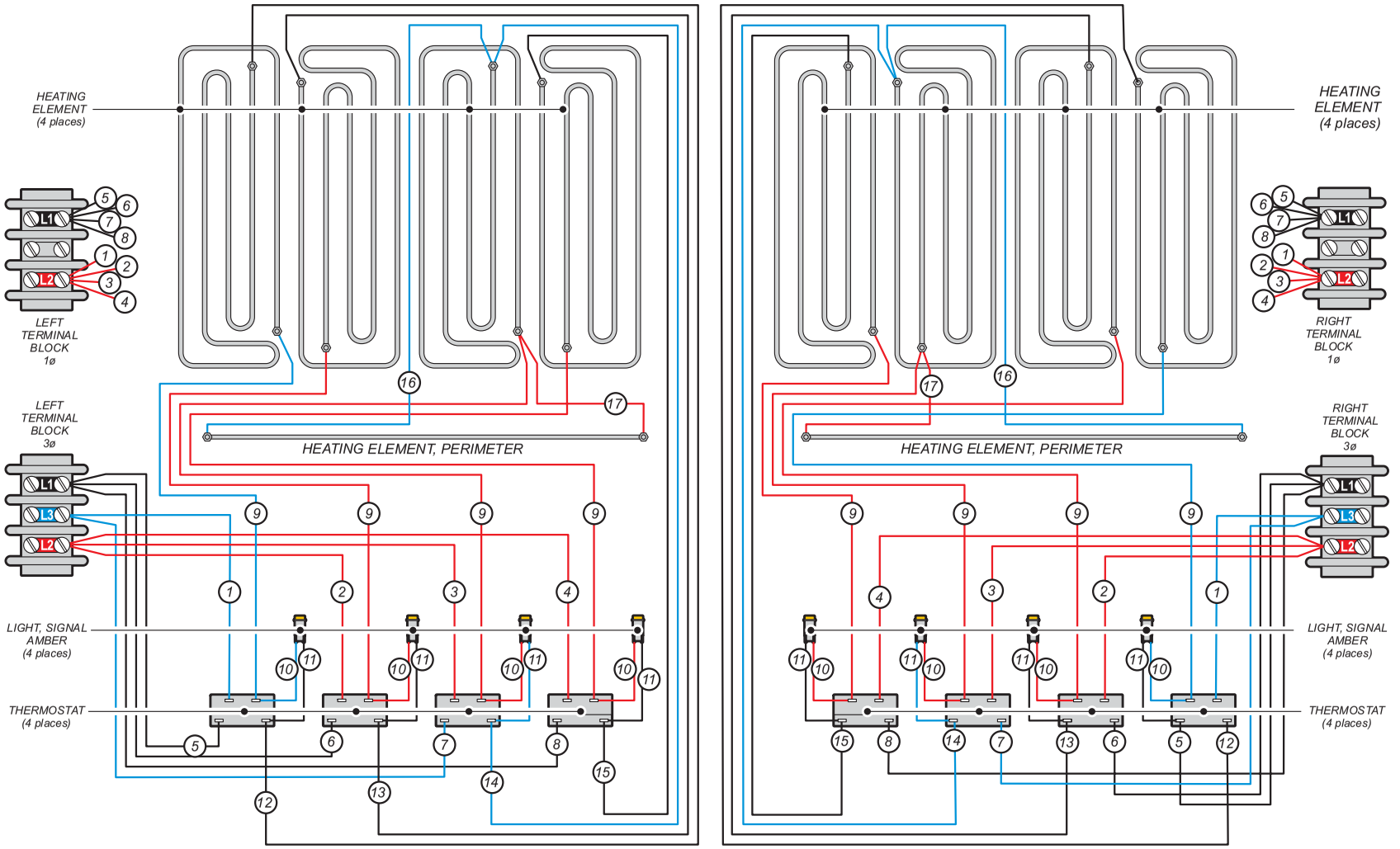
G-24 and G-246
208V 240V 480V

VOLTS	KW	NOMINAL AMPS PER LINE			
		AMPS 3ø			AMPS 1ø
		L1	L2	L3	
208	21.5	63.4	67.1	45.8	103.3
240	21.5	55.0	58.3	39.6	89.5
480	21.5	27.1	28.9	19.9	43.8

p/n 48930 issue A


L1
G-24 and G-246
208V, 240V, 480V
3ø
L3
L2
SIGNAL LIGHT
THERMO 1-1
HEATING ELEMENTS
THERMO 1-2
SIGNAL LIGHT
THERMO 2-1
HEATING ELEMENTS
THERMO 2-2
SIGNAL LIGHT
THERMO 3-1
HEATING ELEMENTS
THERMO 3-2
HEATING ELEMENT, PERIMETER
SIGNAL LIGHT
THERMO 4-1
HEATING ELEMENTS
THERMO 4-2


L1
G-24 and G-246
208V 240V 480V
1ø
L2
SIGNAL LIGHT
THERMO 1-1
HEATING ELEMENTS
THERMO 1-2
SIGNAL LIGHT
THERMO 2-1
HEATING ELEMENTS
THERMO 2-2
SIGNAL LIGHT
THERMO 3-1
HEATING ELEMENTS
THERMO 3-2
HEATING ELEMENT, PERIMETER
SIGNAL LIGHT
THERMO 4-1
HEATING ELEMENTS
THERMO 4-2



G-60 and G-606
208V 240V 480V

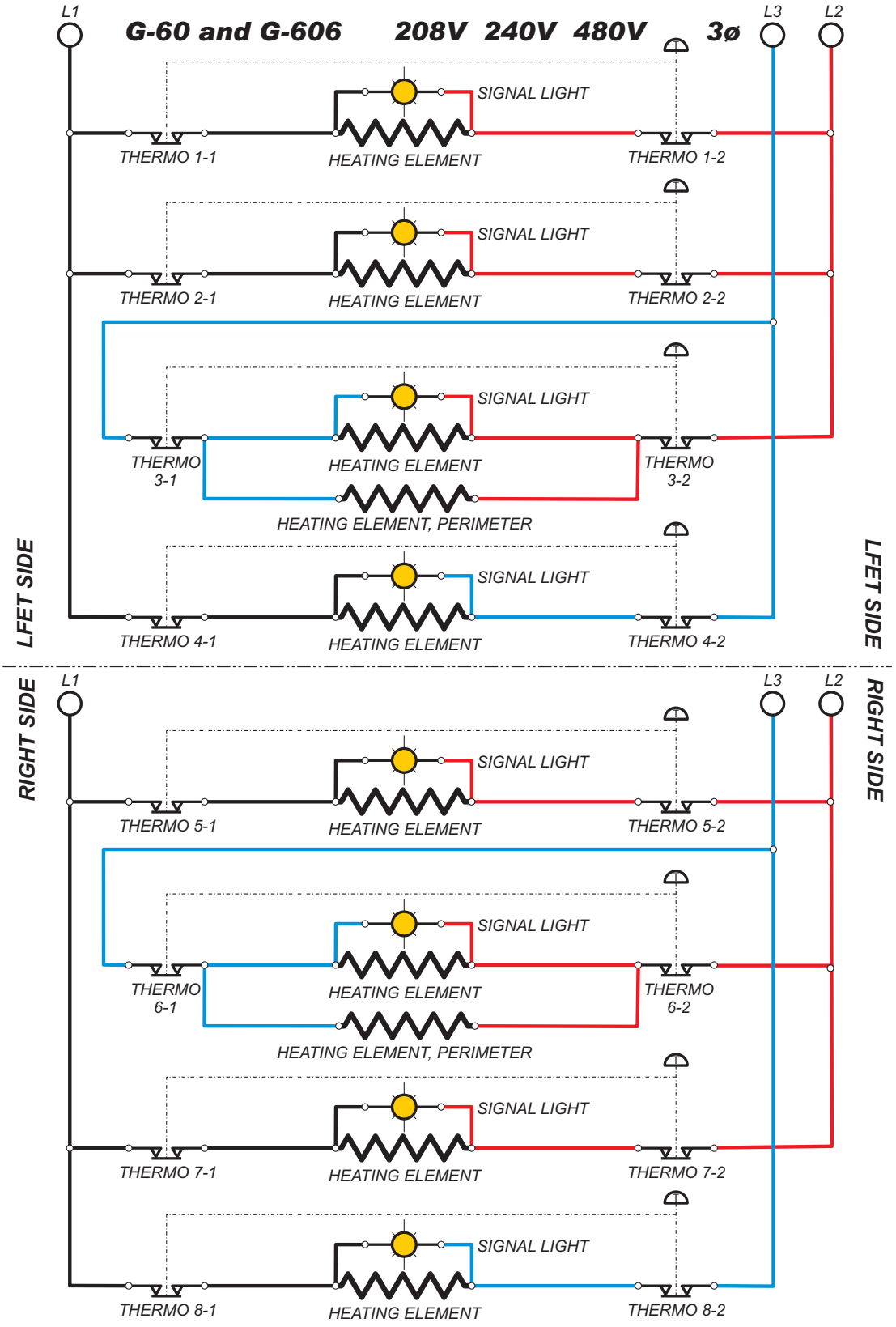
p/n 32064 issue D

LEFT SIDE

VOLTS	KW	NOMINAL AMPS PER LINE			
		AMPS 3ø			AMPS 1ø
		L1	L2	L3	
208	16.0	48.3	51.3	35.0	76.9
240	16.0	41.7	30.4	30.4	66.6
480	16.0	20.9	22.2	15.5	33.3

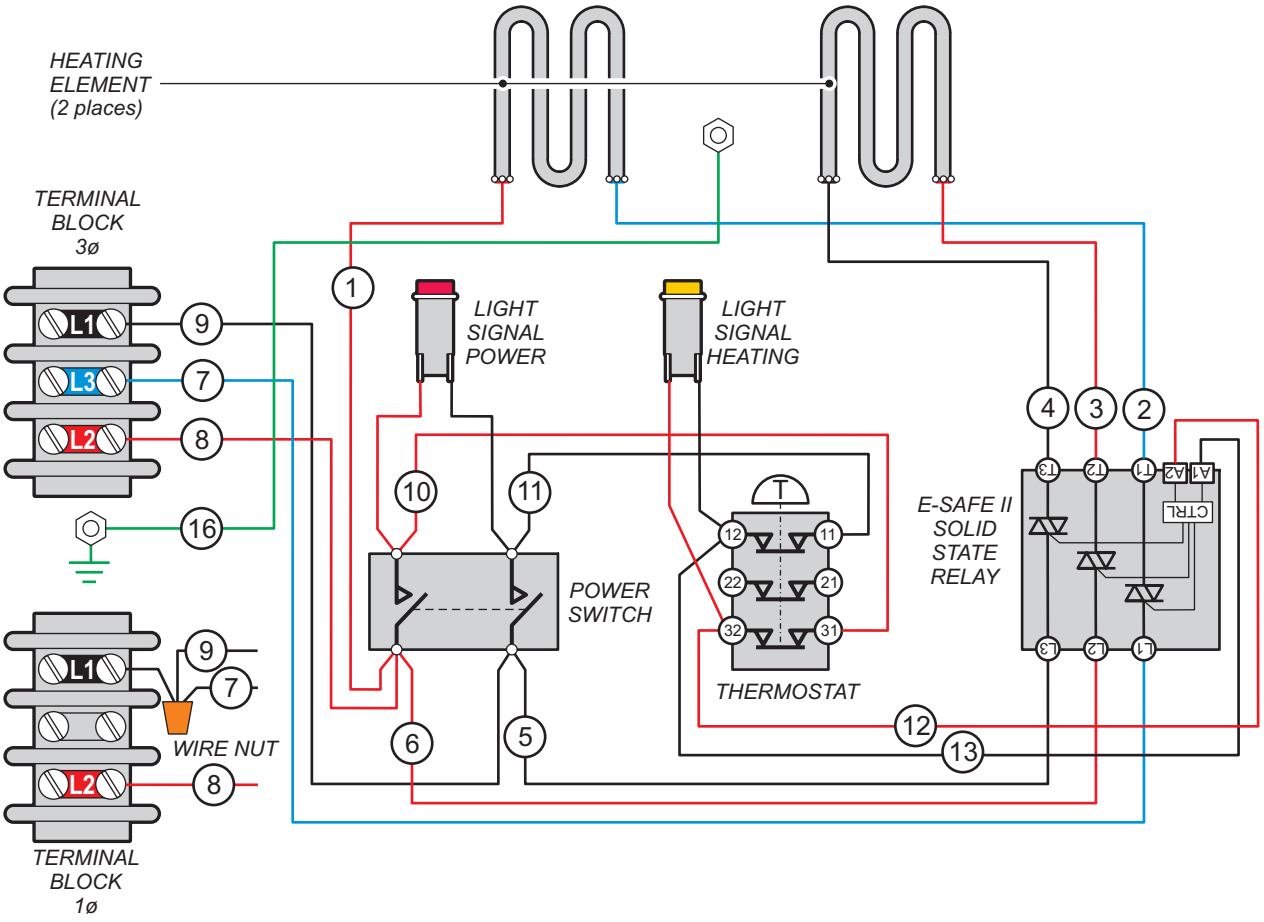
RIGHT SIDE

VOLTS	KW	NOMINAL AMPS PER LINE			
		AMPS 3ø			AMPS 1ø
		L1	L2	L3	
208	16.0	48.3	51.3	35.0	76.9
240	16.0	41.7	30.4	30.4	66.6
480	16.0	20.9	22.2	15.5	33.3



NOTE: For 1ø wiring schematic, refer to G-23(6) unit on page 45.

WIRING DIAGRAMS (continued)

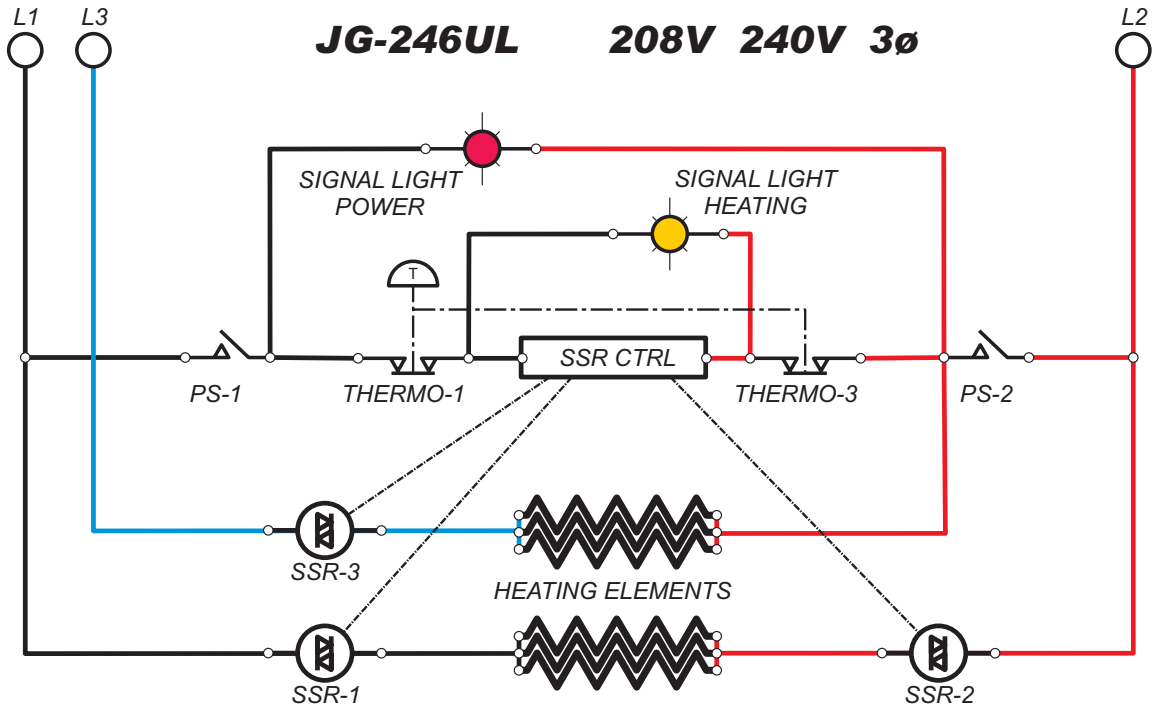


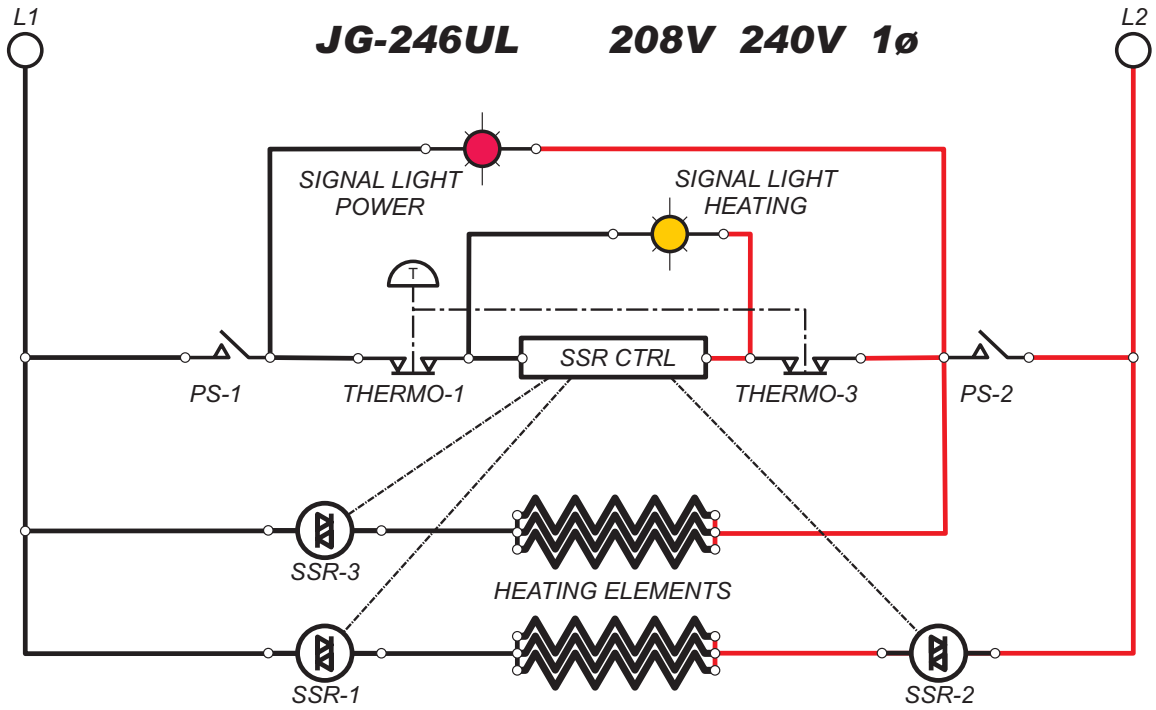
JG-246UL

208V 240V

VOLTS	KW	NOMINAL AMPS PER LINE			
		AMPS 3ø			AMPS 1ø
		L1	L2	L3	
208	6.0	14.4	25.0	14.4	28.9
240	8.0	16.7	28.9	16.7	33.3

p/n 307339 issue A


L1
L3
JG-246UL 208V 240V 3ø
L2
SIGNAL LIGHT POWER
SIGNAL LIGHT HEATING
T
SSR CTRL
PS-1
THERMO-1
THERMO-3
PS-2
SSR-3
HEATING ELEMENTS
SSR-1
SSR-2


L1
JG-246UL 208V 240V 1ø
L2
SIGNAL LIGHT POWER
SIGNAL LIGHT HEATING
T
SSR CTRL
PS-1
THERMO-1
THERMO-3
PS-2
SSR-3
HEATING ELEMENTS
SSR-1
SSR-2

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